Pioneer sound.vision.soul

Service Manual

ORDER NO. CRT3502

DVD MULTIMEDIA AV NAVIGATION SERVER

AVIC-N2/XU/UC1













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This service manual should be used together with the following manual(s) listed below. For the parts numbers, adjustments, etc. which are not shown in this manual, refer to the following manual(s).

Model No.	Order No.	Mech. Module	Remarks
AVIC-N2/XU/UC	CRT3423		
CX-3016	CRT3056	MS3	DVD Mech. Module : Circuit Description, Mech. Description, Disassembly

This product has the unit part number as below.

Unit Part No.	Description
CPN2107	Navigation Unit
CPN2106	Hideaway Unit

^{*)} The unit part numbers listed above are not for the service components.

SAFETY INFORMATION

WARNING

This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65

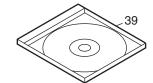
This product contains mercury. Disposal of this material may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronics Industries Alliance: www.eiae.org.

EXPLODED VIEWS AND PARTS LIST

PACKING(Page 12)

PACKING SECTION PARTS LIST

	Mark	No.	Description	AVIC-N2/XU/UC	AVIC-N2/XU/UC1
Ī		3	Carton	CHG5463	CHG5652
		4	Contain Box	CHL5463	CHL5652
		39	DVD-ROM	Not used	CZP3025



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Service Manual



ORDER NO. CRT3423

DVD MULTIMEDIA AV NAVIGATION SERVER

AVIC-N2/XU/UC DVD AV NAVIGATION HEAD-UNIT AVIC-X1R/XU/EW

This service manual should be used together with the following manual(s):

Model No.	Order No.	Mech.Module	Remarks
CX-3016	CRT3056	MS3	DVD Mech. Module:Circuit Description, Mech. Description, Disassembly

NOTE:

Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

This product has the unit part number as below.

Unit Part No.	Description
CPN1955	Navigation Unit(AVIC-N2/XU/UC)
CPN1953	Hideaway Unit(AVIC-N2/XU/UC)
CPN1954	Navigation Unit(AVIC-X1R/XU/EW)
CPN1952	Hideaway Unit(AVIC-X1R/XU/EW)

^{*)} The unit part numbers listed above are not for the service components.



PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, Japan PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A. PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936 © PIONEER CORPORATION 2005

SAFETY INFORMATION

UC

CAUTION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

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This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65

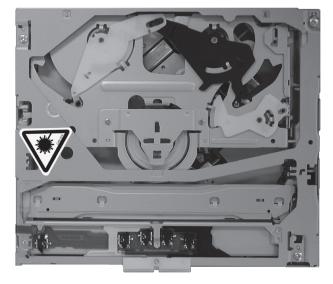
This product contains mercury. Disposal of this material may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronics Industries Alliance: www.eiae.org.

EW

- 1. Safety Precautions for those who Service this Unit.
- Follow the adjustment steps in the service manual when servicing this unit. When checking
 or adjusting the emitting power of the laser diode exercise caution in order to get safe, reliable results.

Caution:

- 1. During repair or tests, minimum distance of 13cm from the focus lens must be kept.
- 2. During repair or tests, do not view laser beam for 10 seconds or longer.
- 2. The triangular label is attached to the mechanism unit frame.



This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product.

Refer all servicing to qualified personnel.

The following caution label appears on your unit.

Location: on the bottom of the unit



On the top of the player.

CAUTION : VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AVOID EXPOSURE TO BEAM.

VORSICHT: SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET NICHT DEM STRAHL AUSSETZEN!

ADVARSEL: SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING UNDGÅ UDSÆTTELSE FOR STRÅLING.

VARNING : SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD BETRAKTA EJ STRÅLEN.

. AVATTAESSA ALTISTUT NÄKYVÄ JA NÄKYMÄTTÖMÄLLE . LASERSATEIL YLLE. ÄLÄ KATSO SÄTEESEN. VARO!

WARNING!

The AEL (accessible emission level)of the laser power output is less than CLASS 1 but the laser component is capable of emitting radiation exceeding the limit for CLASS 1.

A specially instructed person should do servicing operation of the apparatus.

Laser diode characteristics

Wave length:

DVD:640~660nm

CD:770~810nm

Maximum output:2.48mw(Emitting period :9sec.)

DVD:705µw(Emitting period : unlimited)

Additionla Laser Caution

Transistors Q1101 and Q1102 in PCB drive the laser diodes for DVD and CD respectively. When Q1101 or Q1102 is shorted between their terminals, the laser diodes for DVD or CD will radiate beam. If the top cover is removed with no disc loaded while such short-circuit is continued, the naked eyes may be exposed to the laser beam.

AVIC-N2/XU/UC

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1. You should conform to the regulations governing the product (safety, radio and noise, and other regulations), and should keep the safety during servicing by following the safety instructions described in this manual.

DVD MECHANISM MODULE section precaution

- 1. Before disassembling the unit, be sure to turn off the power. Unplugging and plugging the connectors during power-on mode may damage the ICs inside the unit.
- 2. To protect the pickup unit from electrostatic discharge during servicing, take an appropriate treatment (shorting-solder) by referring to "the DISASSEMBLY".
- 3. After replacing the pickup unit, be sure to check the grating.
- 4. During disassembly, be sure to turn the power off since an internal IC might be destroyed when a connector is plugged or unplugged.

NAVIGATION UNIT section precaution

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- 1. Inverter for LCD back light becomes a high voltage.
- 2. When inspecting the touch panel, use something thin with a round tip such as the touch pen. Furthermore, do not apply excessive force to the touch panel.
- 3. Since this product does not have OSD IC, OSD for adjustment is displayed by using GGF1416 and GGF1463 at the time of monitor adjustment. As you will find lands for 14 pins with 0.8mm pitch at the left top part of the monitor board, directly solder a flexible PCB of GGD1323 for adjustment. As GGD1322 is not used, be careful not to short the terminal.
- 4. The region code determination at the time of DVD hardware change is made by the destination (UC: Region 1, EW: Region 2) of the car control unit.
- 5. If you reconnected the Hide-away unit, press the RESET button.









DYD

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[Important Check Points for Good Servicing] In this manual, procedures that must be performed during repairs are marked with the below symbol.

Please be sure to confirm and follow these procedures.

1. Product safety



Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

① Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

2 Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification(addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

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3 Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris. Soldering should be finished with the proper quantity. (Refer to the example)

4 Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

5 Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

6 Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs. In addition, be sure that there are no pinched wires, etc.

Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages. If you find a damaged power cord, please exchange it with a suitable one.

There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

10 Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries. Please pay attention to your surroundings and repair safely.

2. Adjustments



To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification. Adjustments should be performed in accordance with the procedures/instructions described in this manual.

3. Lubricants, Glues, and Replacement parts



Use grease and adhesives that are equal to the specified substance. Make sure the proper amount is applied.

4. Cleaning



For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

5. Shipping mode and Shipping screws

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To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

> AVIC-N2/XU/UC 8

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1. SPECIFICATIONS

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General	
Rated power source	. 14.4 V DC (10.8 - 15.1 V allowable)
Grounding system	. Negative type
Max. current consump	
De alum annuart	
Backup current Display unit:	. 6.5 mA or less
Dimensions (W x H x D):	
DIN	
Chassis	178 x 50 x 160 mm
	(7 x 2 x 6-1/4 in.)
Nose	. 188 x 58 x 34 mm
_	(7-3/8 x 2-1/4 x 1-3/8 in.)
D Obassia	170 50 105
Chassis	178 x 50 x 165 mm (7 x 2 x 6-1/2 in.)
Nose	. 170 x 46 x 29 mm
14000	(6-3/4 x 1-3/4 x 1-1/4 in.)
Weight	
Hideaway unit:	,
Dimensions (W x H x D)	
Woight	(5-7/8 x 1-1/8 x 3-7/8 in.)
Weight	0.7 kg(1.5 lbs)
Navigation	
GPS Receiver:	
System	
SPS (Standard Position	
Reception system	8-channel multi-channel
Pagantian fraguancy	reception system
Reception frequency Sensitivity	
Position update frequen	
	Approx. once per second
GPS antenna:	
Antenna	Micro strip flat antenna/
Antonna cablo	right-handed helical polarization
Antenna cable Dimensions (W x H x D	
Dimensions (W X 11 X D	
	(1-1/4 x 1/2 x 1-3/8 in.)
Weight	
B: 1	
Display	C.F. in ab wide /10:0
Screen size/aspect ratio	(effective display area: 144 x
	76 mm)
Pixels	
Type	
· ·	transmissive type
Color system	
Operating temperature range	
Ctorago tomporatura rango	−14 − +122 °F
Storage temperature range	_4 _ +176 °F
Angle adjustment	
gio aajaoanontiiniiniiniiniiniiniiniiniiniiniiniinii	(initial settings: 110°)
	, ,

Audio

Continuous power output is 22 W per channel minimum into 4 ohms, both channels driven 50 to 15,000 Hz with no more than 5% THD.

Maximum power output 50 W x 4

50 W x 2 ch/4 Ω + 70 W x 1 ch/2 Ω (for subwoofer)

Load impedance...... 4 Ω (4 – 8 Ω [2 Ω for 1 ch]

allowable)

Preout max output level/output impedance

...... 2.0 V/100 ohm

Equalizer (3-Band Parametric Equalizer):

Frequency 40/80/100/160 Hz Q Factor..... 0.35/0.59/0.95/1.15 (+6 dB when boosted)

Gain ±12dB

Mid

Frequency 200/500/1k/2k Hz

Q Factor..... 0.35/0.59/0.95/1.15 (+6 dB

when boosted) Gain ±12dB

High

Frequency 3.15k/8k/10k/12.5k Hz

Q Factor...... 0.35/0.59/0.95/1.15 (+6 dB

when boosted)

Gain ±12dB

Loudness contour

Low +3.5 dB (100 Hz), +3 dB (10

kHz)

Mid.....+10 dB (100 Hz), +6.5 dB (10 kHz)

High.....+11 dB (100 Hz), +11 dB (10 kHz)

(volume: -30 dB)

Tone controls:

Bass

Frequency 40/63/100/160 Hz

Gain ±12dB

Frequency 2.5k/4k/6.3k/10k Hz

Gain ±12dB

HPF:

Frequency 0/80/125 Hz

Slope...... -12 dB/oct

Subwoofer:

Frequency 50/80/125 Hz

Slope...... -18 dB/oct

Gain ±12dB

Phase Normal/Reverse

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System...... DVD-Video, Compact disc audio, MP3 system Usable discs DVD-Video, Compact disc, Region number...... 1 Signal format: Sampling frequency.... 44.1/48/96 kHz Number of quantization bits 16/20/24; linear Frequency response 5 – 44,000 Hz (with DVD, at sampling frequency 96 kHz) Signal-to-noise ratio 97 dB (1 kHz) (IHF-A network) (CD: 96 dB (1 kHz) (IHF-A network)) Dynamic range 95 dB (1 kHz)

(CD: 94 dB (1 kHz)) Distortion...... 0.008 % (1 kHz) Output level:

Video 1.0 Vp-p/75 Ω (±0.2 V) Audio 1.0 V (1 kHz, 0 dB) Number of channels...... 2 (stereo)

MP3 decoding format MPEG-1 & 2 Audio Layer 3

FM tuner

Frequency range...... 87.9 - 107.9 MHz N: 30 dB) 50 dB quieting sensitivity...... 10 dBf ($0.9 \,\mu\text{V}/75 \,\Omega$, mono) Signal-to-noise ratio 75 dB (IHF-A network) stereo) 0.1 % (at 65 dBf, 1 kHz, mono) Frequency response 30 – 15,000 Hz (±3 dB) Stereo separation 45 dB (at 65 dBf, 1 kHz) Selectivity 80 dB (±200 kHz) Three-signal intermodulation (desired signal level) 30 dBf (two undesired signal

AM tuner

Frequency range...... 530 - 1,710 kHz (10 kHz) Usable sensitivity...... 18 μV (S/N: 20 dB) Signal-to-noise ratio 65 dB (IHF-A network)

level: 100 dBf)

Note:

· Specifications and the design are subject to possible modifications without notice due to improvements.

AVIC-N2/XU/UC

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● AVIC-X1R/XU/EW

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General Rated power source	14.4 V DC	Contin	nuous power outou	t 27 W x 4 (DIN 45324,
F 00 01 00 11111111	(allowable voltage range:	0011111	pomor outpu	+B=14.4 V)
	12.0 – 14.4 V DC)	Load i	mpedance	4 Ω (4 – 8 Ω [2 Ω for 1 ch]
Earthing system				allowable)
Max. current consum		Preou	t max output level/	output impedance
				2.0 V/100 ohm
Backup current	6.5 mA or less	Equali	izer (3-Band Paran	netric Equalizer):
Display unit:	2)	Low	_	40/00/400/400
Dimensions (W x H x I	راد):			40/80/100/160 Hz
DIN	178 x 50 x 160 mm		Q Factor	0.35/0.59/0.95/1.15 (+6 dB
	178 x 50 x 160 mm		Gain	when boosted)
D	100 x 50 x 54 11111	Mid	Gaili	±120B
	178 x 50 x 165 mm	IVIIG	Frequency	200/500/1k/2k Hz
	170 x 46 x 29 mm			0.35/0.59/0.95/1.15 (+6 dB
Weight			Q i dotoi	when boosted)
Hideaway unit:			Gain	· ·
Dimensions (W x H x I	O)	High		
	180 x 30 x 140 mm	J	Frequency	3.15k/8k/10k/12.5k Hz
Weight	0.7 kg			0.35/0.59/0.95/1.15 (+6 dB
				when boosted)
Navigation			Gain	±12dB
GPS Receiver:			ess contour	
System		Low	/	+3.5 dB (100 Hz), +3 dB (1
SPS (Standard Position				kHz)
Reception system	8-channel multi-channel	IVIIC	J	+10 dB (100 Hz), +6.5 dB
Reception frequency.	reception system		I II ada	(10 kHz)
Sensitivity			Hign	+11 dB (100 Hz), +11 dB
Position update freque				(10 kHz) (volume: –30 dB)
	Approx. once per second	Tone	controls:	(volume. –30 db)
GPS aerial:	ripproxi once per decend	Bass	001111010.	
	Micro strip flat aerial/righthanded	Daoo	Frequency	40/63/100/160 Hz
	helical polarization		Gain	
Aerial cable	5.0 m	Treble)	
Dimensions (W x H x I	O)			2.5k/4k/6.3k/10k Hz
	33 x 13 x 36 mm		Gain	±12dB
Weight	105 g	HPF:		
			equency	
Display			pe	–12 dB/oct
Screen size/aspect ratio		Subwo		
	(effective display area: 144 x		equency	
Divole	76 mm)		pe	
Pixels	TFT active matrix, transmissive		in	±12dB Normal/Reverse
ι γρσ	type	FIX	ast	NOITIAI/NEVEISE
Colour system		DVD [Orive	
Operating temperature ran				DVD-Video, Compact disc
operating temperature ran		Cyclo.		audio, MP3 system
Storage temperature range		Usable	e discs	DVD-Video, Compact disc,
			***************************************	MP3
Angle adjustment	50 – 110°	Regio	n number	2
•	(initial settings: 110°)	Signal	format:	
				44.1/48/96 kHz
Audio			umber of quantizat	
Maximum power output				16/20/24; linear
	50 W x 2 ch/4 Ω + 70 W x 1	Frequ	ency response	5 – 44,000 Hz (with DVD, a
	ch/2 Ω (for subwoofer)	6.		sampling frequency 96 kHz
		Signal	l-to-noise ratio	97 dB (1 kHz) (IEC-A netwo

F

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AVIC-N2/XU/UC

(CD: 96 dB (1 kHz) (IEC-A network)) Dynamic range 95 dB (1 kHz) (CD: 94 dB (1 kHz)) Distortion...... 0.008 % (1 kHz) Output level: Video 1.0 Vp-p/75 Ω (± 0.2 V) Audio...... 1.0 V (1 kHz, 0 dB) Number of channels...... 2 (stereo) MP3 decoding format MPEG-1 & 2 Audio Layer 3

Frequency range...... 87.5 - 108.0 MHz Usable sensitivity...... 8 dBf (0.7 μ V/75 Ω , mono, S/ N: 30 dB) 50 dB quieting sensitivity..... 10 dBf (0.9 μ V/75 Ω , mono) Signal-to-noise ratio 75 dB (IEC-A network) Distortion...... 0.3 % (at 65 dBf, 1 kHz, stereo) 0.1 % (at 65 dBf, 1 kHz, mono) Frequency response 30 – 15,000 Hz (±3 dB) Stereo separation 45 dB (at 65 dBf, 1 kHz) Selectivity 80 dB (±200 kHz)

MW tuner

Frequency range...... 531 – 1,602 kHz (9 kHz) Usable sensitivity...... 18 μV (S/N: 20 dB) Signal-to-noise ratio 65 dB (IEC-A network)

LW tuner

Frequency range...... 153 – 281 kHz (9 kHz) Usable sensitivity...... 30 µV (S/N: 20 dB) Signal-to-noise ratio 65 dB (IEC-A network)

Note:

· Specifications and the design are subject to possible modifications without notice due to improvements.

AVIC-N2/XU/UC

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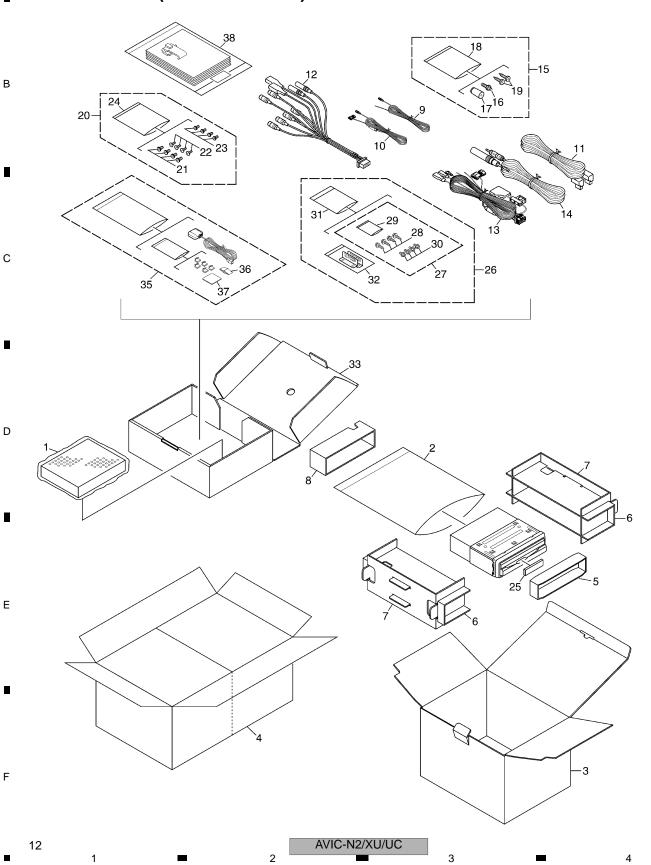
2. EXPLODED VIEWS AND PARTS LIST

NOTES: • Parts marked by "*" are generally unavailable because they are not in our Master Spare Parts List.

- The \triangle mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Screw adjacent to ∇ mark on the product are used for disassembly.
- For the applying amount of lobricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)

2.1 PACKING (AVIC-N2/XU/UC)

Α



PACKING (AVIC-N2/XU/UC) SECTION PARTS LIST

Mark No.	<u>Description</u>	Part No.	Mark No.	<u>Description</u>	Part No.
1	Air Cushioned Bag	CEG1007	* 31	Polyethylene Bag	CEG1163
2	Polyethylene Bag	CEG1173	32	Angle Assy	CXC1079
3	Carton	CHG5463	33	Sub Carton	CHG5440
4	Contain Box	CHL5463	34	•••••	
5	Protector	CHP2879	35	GPS Antenna Assy	CXC4864
		01170077	36	Water Proof Pad	CZN5442
6	Protector	CHP2877	37	Sheet	CZN3442 CZN7008
7	Protector	CHP2876	38-1	Polyethylene Bag	CEG1116
8	Protector	CHP2945		Owner's Manual	CRB2025
9	Cord	CDE5044		Owner's Manual	CRB2025 CRB2026
10	Cord	CDE6825	30-3	Owner's Manual	CKB2020
11	Cord Assy	CDE7398	38-4	Owner's Manual/POC/FRE	CRB2027
12	Cord Assy	CDE7399	38-5	Owner's Manual/POC/FRE	CRB2028
13	Cord Assy	CDE7487	38-6	Installation Manual	CRD3957
14	Antenna Cable	CDH1325	38-7	Caution Card	CRP1310
15	Accessory Assy	CEA3685	* 38-8	Card	ARY1048
			00.0	Olamaian Olath Asses	0540050
16	Screw	CBA1650		Cleaning Cloth Assy	CEA3952
17	Bush	CNV1917		Registration Card	CRY1238
* 18	Polyethylene Bag	E36-615		Caution Card	CRP1321
19	Screw	JGZ20P070FTC	38-12	Connector	CKX1049
20	Screw Assy	CEA3686			
21	Screw	BMZ50P060FTC			
22	Screw(M4x6)	CBA1468			
23	Screw	CMZ50P060FTC			
* 24	Polyethylene Sheet	CNM4338			
25	Spacer	CNM9149			
26	Accessory Assy	CEA3996			
27	Screw Assy	CEA4396			
28	Screw	CBA1795			
* 29	Polyethylene Sheet	CNM4338			
30	Screw	HMF40P080FTC			

Owner's Manual, Installation Manual

Part No.	Language
CRB2025, CRB2026	English
CRB2027, CRB2028	French
CRD3957	English, French

AVIC-N2/XU/UC

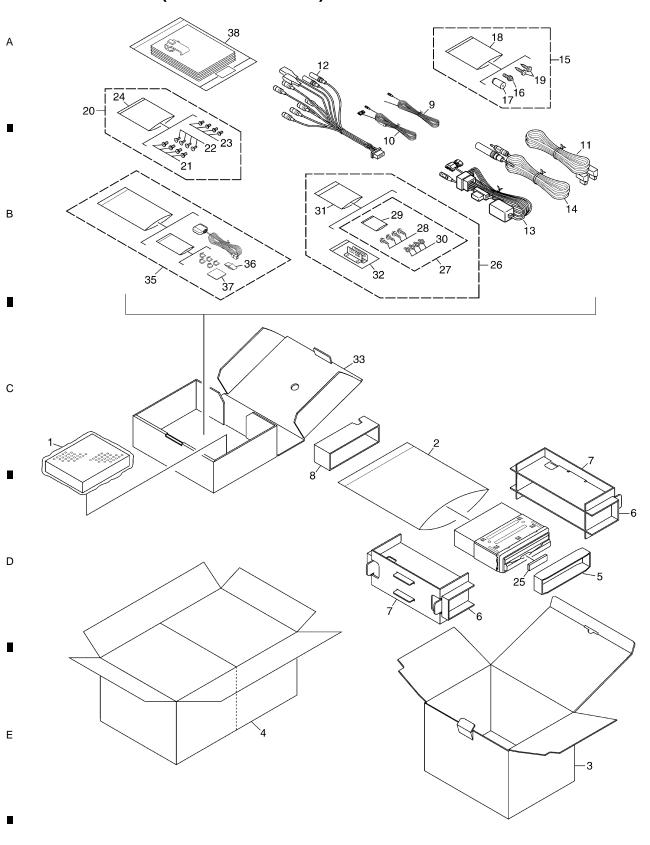
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2.2 PACKING (AVIC-X1R/XU/EW)



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AVIC-N2/XU/UC

PACKING (AVIC-X1R/XU/EW) SECTION PARTS LIST

Mark No.	<u>Description</u>	Part No.	Mark	<u>No.</u>	<u>Description</u>	Part No.
1	Air Cushioned Bag	CEG1007	*	31	Polyethylene Bag	CEG1163
2	Polyethylene Bag	CEG-162		32	Angle Assy	CXC1079
3	Carton	CHG5462		33	Sub Carton	CHG5440
4	Contain Box	CHL5462		34	•••••	
5	Protector	CHP2879		35	GPS Antenna Assy	CXC4864
6	Protector	CHP2877		36	Water Proof Pad	CZN5442
7	Protector	CHP2876		37	Sheet	CZN7008
8	Protector	CHP2945		38-1	Polyethylene Bag	CEG1116
9	Cord	CDE5044		38-2	Owner's Manual/PEE/ENG	CRB2029
10	Cord	CDE6825		38-3	Owner's Manual/PEE/ENG	CRB2030
11	Cord Assy	CDE7398		38-4	Owner's Manual/PEE/SPA	CRB2031
12	Cord Assy	CDE7399		38-5	Owner's Manual/PEE/SPA	CRB2032
13	Cord Assy	CDE7486			Owner's Manual/PEE/GER	CRB2033
14	Antenna Cable	CDH1325		38-7	Owner's Manual/PEE/GER	CRB2034
15	Accessory Assy	CEA3685		38-8	Owner's Manual/PEE/FRE	CRB2035
16	Screw	CBA1650			Owner's Manual/PEE/FRE	CRB2036
17	Bush	CNV1917			Owner's Manual/PEE/ITA	CRB2037
* 18	Polyethylene Bag	E36-615			Owner's Manual/PEE/ITA	CRB2038
19	Screw	JGZ20P070FTC			Owner's Manual/PEE/DUT	CRB2039
20	Screw Assy	CEA3686		38-13	Owner's Manual/PEE/DUT	CRB2040
21	Screw	BMZ50P060FTC		38-14	Installation Manual	CRD3958
22	Screw(M4x6)	CBA1468			Passport	CRY1013
23	Screw	CMZ50P060FTC			Warranty Card	CRY1157
* 24	Polyethylene Sheet	CNM4338			Cleaning Cloth Assy	CEA3952
25	Spacer	CNM9149		38-18	Sheet	CNM8603
26	Accessory Assy	CEA3996			Lock Tie	CNV-754
27	Screw Assy	CEA4396	*		Caution Card	CRP1322
28	Screw	CBA1795		38-21	Connector	CKX1049
* 29	Polyethylene Sheet	CNM4338				
30	Screw	HMF40P080FTC				

Owner's Manual, Installation Manual

Part No.	Language
CRB2029, CRB2030	English
CRB2031, CRB2032	Spanish
CRB2033, CRB2034	German
CRB2035, CRB2036	French
CRB2037, CRB2038	Italian
CRB2039, CRB2040	Dutch
CRD3958	English, Spanish, German, French, Italian, Dutch

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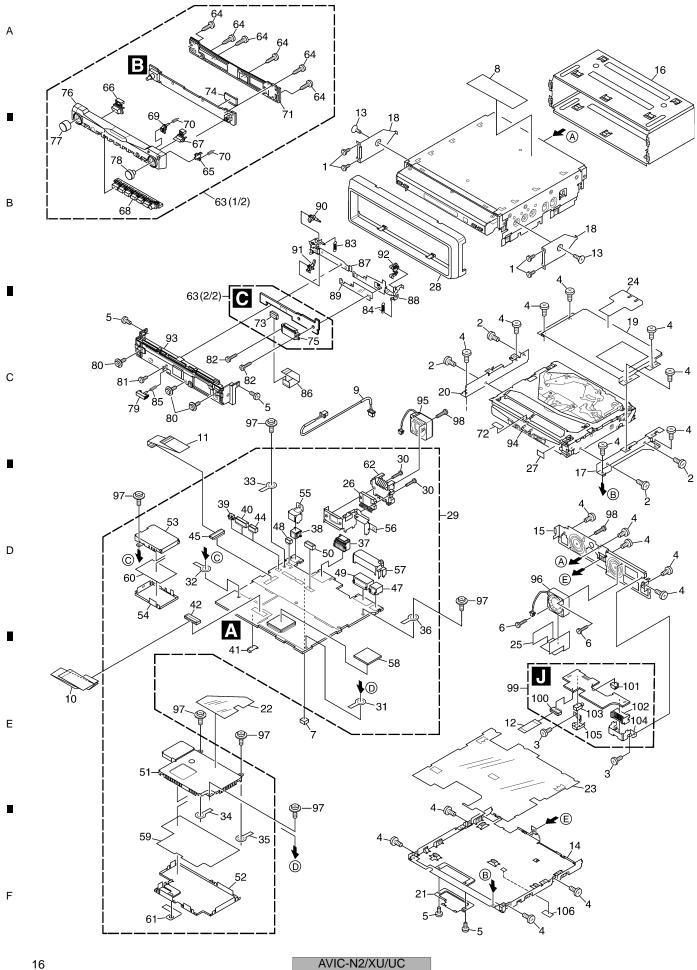
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2.3 NAVIGATION UNIT (1)



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NAVIGATION UNIT (1) SECTION PARTS LIST

	11011 01111 (1) 02011011	7.11.10 2.01				
Mark No.	<u>Description</u>	Part No.	Mark No.	<u>Description</u>	Part No.	
1	Screw	BMZ20P030FZK	57	Holder	CND1955	
	Screw(M2x3)	CBA1527	58	Sheet	CNM7902	Α
2	,		59	Insulator	CNM8572	
3	Screw	BMZ26P025FTC	39	irisulatoi	CINIVIOSTZ	
4	Screw	BMZ26P040FTC				
5	Screw(M2x2.5)	CBA1615	60	Insulator	CNM8573	
			61	Insulator	CNM8856	
6	Screw(M2.6x12)	CBA1620	62	Heat Sink	CNR1739	
7	Spacer	CNM9200	63	Detach Grille Assy(UC model)	CXC4305	
	•		00		CXC4304	
8	Label(EW model)	VRW1860		Detach Grille Assy(EW model)	CAC4304	
9	Cord Assy	CDE7401		_		
10	FFC	CDE7740	64	Screw	BPZ20P080FZK	
			65	Button(DETACH)	CAC8431	
11	FFC	CDE7403	66	Button(SRC)	CAC8432	
			67	Button(EQ)	CAC8433	
12	FFC	CDE7727		` ,		В
13	Screw	CMZ50P060FTC	68	Button	CAC8434	
14	Case	CNB3155				
15	Panel	CNB3048	69	Button(RESET)	CAC8503	
			70	Spring	CBH2680	
40	Haldan	CNIDO040	71	Cover	CNS7759	
16	Holder	CND2812				
17	Bracket	CND2815	72	Sheet	CNM9576	_
18	Bracket	CND2816	73	Connector(CN5901)	CKS3965	
19	Bracket	CND2817				
20	Bracket	CND1947	74	Connector(CN5501)	CKS4657	
20	Diacket	OND 1941	75	Connector(CN5902)	CKS4658	
			76	Sub Grille Unit(UC model)	CXC4636	
21	Holder	CND1948	76	` ,		
22	Insulator	CNM8043		Sub Grille Unit(EW model)	CXC4635	
23	Insulator	CNM8571	77	Knob Unit(VOLUME)	CXC4641	С
24	Insulator	CNM8715				
25	Cover	CNM8874	78	Knob Unit(SELECT)	CXC4642	
23	Cover	CINIVIOO74	79	Button	CAC9276	
26	IC(IC2405)	PAL007A	80	Screw(M2x4)	CBA1734	
27	Spacer	CNM9246	81	Screw(M2.6x2.5)	CBA1777	
28	Panel	CNS7797	82	Screw(M2x4)	CBA1778	_
29	CC Unit(UC model)	CWM9948				
29			83	Spring	CBH2681	
	CC Unit(EW model)	CWM9947				
			84	Spring	CBH2682	
30	Screw	BMZ26P160FTC	85	Spring	CBH2790	
31	Terminal(CN100)	CKF1064	86	FFC	CDE7405	
32	Terminal(CN604)	CKF1064	87	Holder	CND1840	
	,		_			D
33	Terminal(CN605)	CKF1064	00	Holder	CND1841	
34	Terminal(CN614)	CKF1064	88			
			89	Insulator	CNM8510	
35	Terminal(CN615)	CKF1064	90	Arm	CNV8571	
36	Terminal(CN2601)	CKF1064	91	Arm	CNV8572	
37	Connector(CN802)	CKM1332	92	Arm	CNV8573	
	` ,					
38	Connector(CN2552)	CKS1940	00	Panal Unit	CXC2693	_
39	Connector(CN971)	CKS4822	93	Panel Unit		
			94	DVD Mechanism Module(MS3)		
40	Connector(CN608)	CKS3751	95	Fan Motor(M100)	CXM1284	
41	Connector(CN2701)	CKS3810	96	Fan Motor(M101)	CXM1289	
42	Connector(CN2)	CKS4052	97	Screw	ISS26P050FTC	
	' '	UN34002	ŭ.	· - · ·		_
43	•••••			•	D14700D400ETO	Е
44	Connector(CN609)	CKS4068	98	Screw	PMZ20P160FTC	
			99	Mother Tuner Unit(UC model)	CWM9946	
45	Connector(CN607)	CKS4132		Mother Tuner Unit(EW model)	CWM9945	
46	•••••		100	Connector(CN2801)	CKS4871	
		01/04470	101	Connector(CN2802)	CKS4822	
47	Connector(CN692)	CKS4473	101	CONTROLON (CINZOUZ)	UNUTULL	
48	Connector(CN2551)	VKN1928			01/11/05=	
49	Connector(CN731)	CKS4646	102	Connector(CN2803)	CKM1365	
	` ,		103	Connector(CN2804)	CKS4752	
50	Connector(CN691)	CKS4814	104	Holder	CND1956	
				Holder	CND2824	
51	Shield	CND2822				
52	Shield	CND2823	106	Sheet	CNM9536	
53	Shield	CND1951				F
54	Shield	CND1952				г
٠.						
EE	Holdor	CND1053				
55	Holder	CND1953				
56	Holder	CND1954				

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NAVIGATION UNIT (2) SECTION PARTS LIST							
Mark No.	<u>Description</u>	Part No.	Mark No.	<u>Description</u>	Part No.		
1	Drive Unit	CXB9508					
2	Screw(M2x3)	CBA1082	51	Gear	CNV7524		Α
3	Screw(M2x2.5)	CBA1250	52	Gear	CNV7529		
4	Screw(M2x4)	CBA1277	53	Chassis Unit	CXB9509		
5	Screw(M2x1.5)	CBA1615	54	Frame Unit	CXB9511		
O	Corow(WZX1.0)	02/11010	55	Holder Unit	CXB9512		
6	Washer	CBF1038					
7	Spring	CBH2645	56	Shaft Unit	CXB9513		
8	Spring	CBH2646	57	Holder Unit	CXB9514		
9	Spring	CBH2647	58	Motor Unit(M3001)(Position)	CXB9515		
10	Spring	CBL1585	59	Motor Unit(M3002)(Angle)	CXB9516		
10	Spring	CBL 1363	60	Screw	CZB3082		
11	Caring	CBL1586	00	C 0.0 	020002		В
11	Spring		61	Screw	CZB3083		
12	Spring	CBL1587	62	Washer	CZB3084		
13	Spring	CBL1642	63	Screw(M2x1.8)	CZB3085		
14	Cord Assy	CDE7047	64	Screw(M2x4)	CZB3088		
15	Cord Assy	CDE7213	65	Main Unit	CZW3087		
	0. 6	01.4.40=0	05	Main Onit	C2773007		
16	Shaft	CLA4270	66	Screw	BMZ26P050FTC		
17	Shaft	CLA4305					
18	Shaft	CLA4306	67	Connector(CN3801)	CKS4068		
19	Shaft	CLA4309	68	Connector(CN3802)	CKS4732		
20	Bracket	CND1221	69	Connector(CN3803)	CKS4732		С
			70	Connector(CN3807)	CKS4733		
21	Case	CND1229		. (01)	01/0 /=00		
22	Holder	CND1318	71	Connector(CN3809)	CKS4733		
23	Holder	CND1449	72	Heat Sink	CND1228		
24	Sheet	CNM8522	73	IC(IC3801)	BA00AST		_
25	Sheet	CNM8037	74	SW Unit	CZW3088		
			75	Volume(VR3841)	CCW1025		
26	Insulator	CNM8048					
27	Insulator	CNM8158	76	Volume Unit	CZW3089		
28	Sheet	CNM8159	77	Screw	IMS20P020FTC		
29	Tape	CNM8160	78	Screw	IMS20P030FZK		D
30	Insulator	CNM8294	79	Washer	YE15S		
			80	Washer	CZB3089		
31	Gear	CNR1664					
32	Gear	CNR1665	81	Holder	CND2813		
33	Gear	CNR1677	82	Screw	JFZ20P022FNI		
34	Gear	CNR1678	83	Cover	CNS7760		
35	Gear	CNR1679	84	Holder	CNV8569		
			85	Flexible PCB	CNP7621		
36	Gear	CNR1680					
37	Gear	CNR1688	86	Shield	CNM8969		
38	Gear	CNR1708	87	Screw(M2x2)	CBA1753		Е
39	Gear	CNR1709	88	Screw(M2x3)	CBA1797		
40	Gear	CNV7383	89	Sheet	CNM9201		
41	Holder	CNV7384					
42	Holder	CNV7385					
43	Rack	CNV7386					-
44	Rack	CNV7387					
45	Slider	CNV7388					
46	Slider	CNV7389					
47	Holder	CNV7390					F
48	Arm	CNV7391					
49	Gear	CNV7522					
50	Gear	CNV7523					
		AVIC-N2	/XU/UC			19	
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2.5 NAVIGATION UNIT (3) 2 В 26-23(3/3) D _21 16—😜 23(2/3) 24-31–≰ Е G -23(1/3) F

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NAVIGATION UNIT (3) SECTION PARTS LIST

	` ,	ARTO LIGI		
Mark No.	<u>Description</u>	Part No.		
1	Screw	BPZ20P060FTC		
2	Button(NAVI/AV)	CAC8427		
3	Button(NAVI MENU)	CAC8428		
4	Button(OPEN/CLOSE)	CAC8430		
5	Button(DISP,PGM)(UC model)	CAC8504		
	Dutton/DICDTA\/F\\/ madal\	CAC9420		
6	Button(DISP,TA)(EW model) LCD	CAC8429 CAW1870		
6 7	FFC	CDE7488		
	Holder	CND2010		
8				
9	Holder	CND2825		
10	Insulator	CNM8616		
11	Spacer	CNM8707		
12	Sheet	CNM8858		
13	Cushion	CNM9148		
14	Lighting Conductor	CNV8570		
45	Touch Donal	0074000		
15	Touch Panel	CSX1083		
16	Screw(M2x2.5)	CBA1615		
17	FFC	CDE7196		
18	Holder	CND2418		
19	Sheet	CNM7784		
20	Insulator	CNM8031		
21	Sheet	CNM8265		
22	Conductor	CNM8857		
23	Monitor Unit(UC model)	CWM9950		
	Monitor Unit(EW model)	CWM9949		
24	Connector(CN4801)	CK22004		
24	Connector(CN4005)	CKS3991 CKS4054		
25				
26	Connector(CN4301)	CKS4054		
27 28	Connector(CN5002)	CKS4428		
20	Connector(CN3002)	CK34426		
29	Connector(CN4003)	CKS4595		
30	Connector(CN5001)	CKS4595		
31	Connector(CN4681)	CKS4675		
32	Connector(CN4002)	CKS4793		
33	Connector(CN4701)	CKS4818		
34	LCD Panel	CWX3056		
35	Display Sub Grille Unit(UC model)	CXC4634		
55	Display Sub Grille Unit(EW model)	CXC4633		
	Display Sub Grille Utili(EVV ITIOGEI)	UAU4033		

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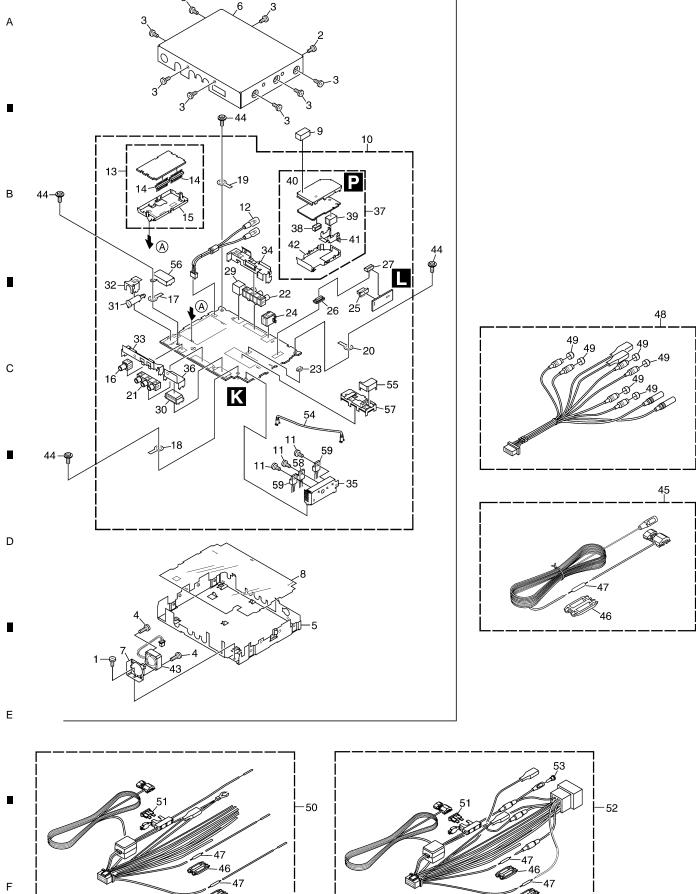
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AVIC-N2/XU/UC

2.6 HIDEAWAY UNIT AND CORD ASSY



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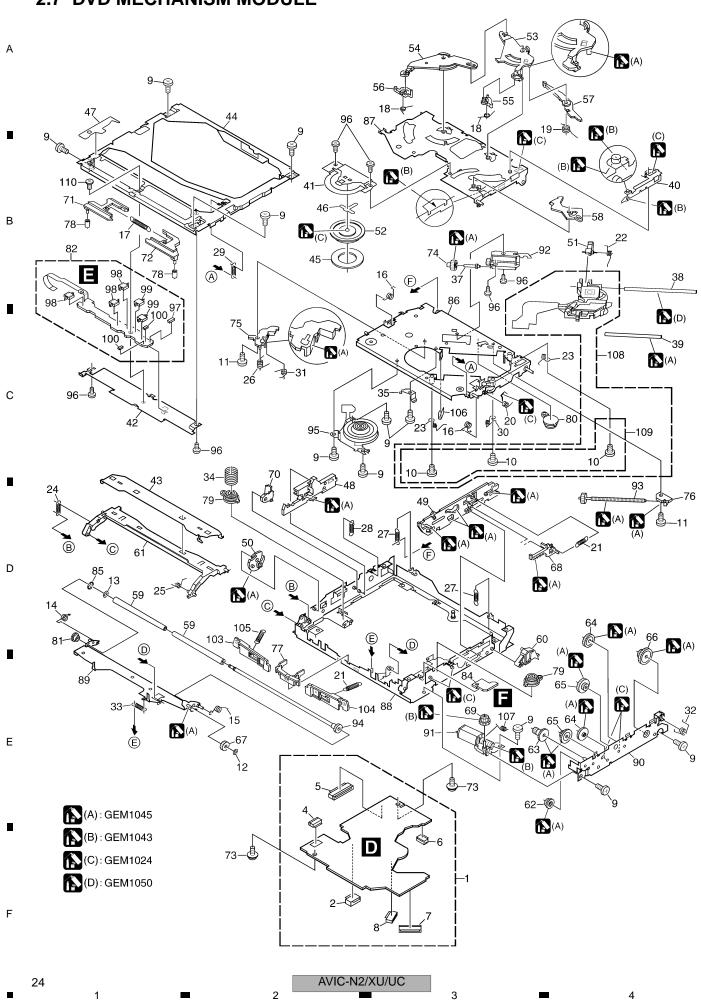
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HIDEAW	HIDEAWAY UNIT AND CORD ASSY SECTION PARTS LIST							
Mark No.	<u>Description</u>	Part No.	<u>Mark</u>	<u>No.</u>	<u>Description</u>	Part No.		
1	Screw	BMZ26P030FT0						
2	Screw	BMZ26P060FZk		47	Resistor	RS1/2PMF102J		
3	Screw	BSZ26P060FTC		48	Cord Assy	CDE7399		
4	Screw(M2.6x12)	CBA1620		49	Сар	CNV6727		
5	Chassis	CNA2697		50	Cord Assy(UC model)	CDE7487		
-			\triangle	51	Fuse(10A)	CEK1136		
6	Case(UC model)	CNB3154						
	Case(EW model)	CNB3153		52	Cord Assy(EW model)	CDE7486		
7	Holder	CND2821		53	Cap(EW model)	CKX-003		
8	Insulator	CNM8565		54	Cord(EW model)	CDH1332		
9	Gasket	CNM8954		55	Shield(EW model)	CND2814		
				56	Shield(EW model)	CND1964		
10	Mother Tuner Unit(UC model)	CWM9946						
	Mother Tuner Unit(EW model)	CWM9945		57	Tuner Unit(Y1801)(EW model)	CWE1674		
11	Screw	BMZ26P060FT0		58	Transistor(Q1907)	2SB1629		
12	Cord Assy	CDE7397		59	Transistor(Q1908,1909)	2SD2396		
13	FM/AM Tuner Unit(UC model)	CWE1651						
	FM/AM Tuner Unit(EW model)	CWE1650						
14	Connector(CN101,102)	CKS4653						
15	Holder	CND1432						
16	Pin Jack(CN1351)	CKB1065						
17	Terminal(CN1401)	CKF1064						
18	Terminal(CN1403)	CKF1064						
19	Terminal(CN1903)	CKF1064						
20	Terminal(CN1904)	CKF1064						
21	Pin Jack(CN1301)	CKB1071						
22	Pin Jack(CN1701)	CKB1071						
23	Connector(CN1950)	CKS4822						
24	Connector(CN1101)	CKS3414						
25	Connector(CN551)	CKS5205						
26	Connector(CN1841)	CKS5205						
27	Connector(CN552)	CKS5204						
28	•••••							
29	Connector(CN1201)	CKS4590						
30	Connector(CN1001)	CKS4646						
31	Antenna Jack(CN1402)	CKX1056						
32	Holder	CND2818						
33	Holder	CND1901						
34	Holder	CND1902						
35	Holder	CND2819						
36	Holder	CND2820						
37	GPS Unit(UC model)	CWX2960						
	GPS Unit(EW model)	CWX2929						
38	Connector(CN461)	CKS4280						
39	Connector(CN504)	CKS4432						
40	Shield	CNC9192						
41	Holder	CNC9252						
42	Shield	CND1161						
43	Fan Motor(M102)	CXM1293						
44	Screw	ISS26P060FTC						
45	Cord	CDE6825						
46	Сар	CNS1472			_			

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2.7 DVD MECHANISM MODULE



DVD MECHANISM MODULE SECTION PARTS LIST

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DVD MECHANISM MODULE SECTION PARTS LIST						
Mark No.	<u>Description</u>	Part No.	Mark No.	<u>Description</u>	Part No.	
1	DVD Core Unit(MS3)	CWX2941	* 57	Arm	CNV7163	
2	Connector(CN1501)	CKS4282	58	Arm	CNV7164	Α
	` ,		59	Roller	CNV7165	
3	Connector(CN1401)	CKS4052	60	Arm	CNV7166	
4	Connector(CN1202)	CKS4624	00	Allii	CINVTIOO	
5	Connector(CN1611)	CKS4052	61	Guide	CNV8093	
_					CNV7169	
6	Connector(CN1603)	CKS4374	62	Gear		
7	Connector(CN1101)	CKS4625	63	Gear	CNV7170	
8	Connector(CN1201)	CKS4067	64	Gear	CNV7171	
9	Screw	BMZ20P020FTC	65	Gear(Black)	CNV7172	
10	Screw(M2 x 3.5)	CBA1571		_		
			66	Gear	CNV7173	
11	Screw(M2 x 2.5)	CBA1623	67	Gear	CNV7174	
12	Washer	CBF1038	68	Rack	CNV7175	В
13	Washer	CBF1064	69	Gear	CNV7176	
14	Spring	CBH2586	70	Arm	CNV8077	
15	Spring	CBH2587				
	-1 3		71	Lever	CNV7178	
16	Spring	CBH2588	72	Lever	CNV7179	
17	Spring	CBH2589	73	Screw	IMS20P030FTC	
18	Spring	CBH2590	74	Gear	CNV7181	
19	Spring	CBH2591	75	Holder	CNV7183	
	. •	CBH2592			0	
20	Spring	CBH2392	76	Holder	CNV7184	
0.4	Out of the sec	OBLIGEOR	77	Guide	CNV7745	
21	Spring	CBH2593	78	Roller	CNV7743 CNV7344	
22	Spring	CBH2594	76 79	Damper	CNV7344 CNV7470	С
23	Spring	CBH2595		•		C
24	Spring	CBH2596	80	Damper	CNV7471	
25	Spring	CBH2597	04	Callan	ONIV/7045	
			81	Collar	CNV7645	
26	Spring	CBH2598	82	Compound Unit(A)	CWX3154	
27	Spring	CBH2599	83	•••••		
28	Spring	CBH2600	84	Compound Unit(B)	CWX3156	
29	Spring	CBH2601	85	Washer	YE20FTC	
30	Spring	CBH2602				
			86	Chassis Unit	CXC3629	
31	Spring	CBH2603	87	Arm Unit	CXB8681	
32	Spring	CBH2604	88	Frame Unit	CXB8683	
33	Spring	CBH2605	89	Arm Unit	CXC4701	D
34	Spring	CBH2711	90	Bracket Unit	CXB8685	
35	Spring	CBL1564				
	Sp9		91	Motor Unit(LOADING)(M1)	CXC4659	
36	•••••		92	Motor Unit(CARRIAGE)(M2)	CXC4314	
37	Shaft	CLA3881	93	Screw Unit	CXB8689	
38	Shaft	CLA4206	94	Roller Unit	CXB8690	_
39	Shaft	CLA4207	95	Motor(SPINDLE)(M3)	CXM1308	
40	Lever	CNC9933				
40	Level	C11C9933	96	Screw	JFZ20P018FTC	
44	Holdon	CNCCCCC	97	Photo-transistor(Q1299)	CPT231SCTD	
41	Holder	CNC9939	98	Spring Switch(S1201,1202,1203)		
42	Holder	CND2251	99	Spring Switch(S1204,1205)	CSN1070	
43	Holder	CNC9941	100	Resistor(R1298,1299)	RS1/16S0R0J	Е
44	Frame	CND2250	100	Resisior(R1296,1299)	K31/1030K03	
45	Sheet	CNM6883	101			
			101	••••		
46	Sheet	CNM8283	102	•••••	0111/77.40	
47	Sheet	CNM8643		Arm	CNV7742	
48	Lever	CNV8076	104		CNV7743	
49	Lever	CNV7155	105	Spring	CBH2710	
50	Cam	CNV7156				
			106	. •	CBL1643	
51	Rack	CNV7157	107	. •	CBH2712	
52	Clamper	CNV7158	108	Pickup Unit(Service)(Screw)	GXX1234	
53	Arm	CNV7159	109	Screw Assy	CXX1750	
54	Arm	CNV7160	110	Screw(M1.4 x 1.4)	CBA1787	F
55	Arm	CNV7161				
56	Arm	CNV7162				

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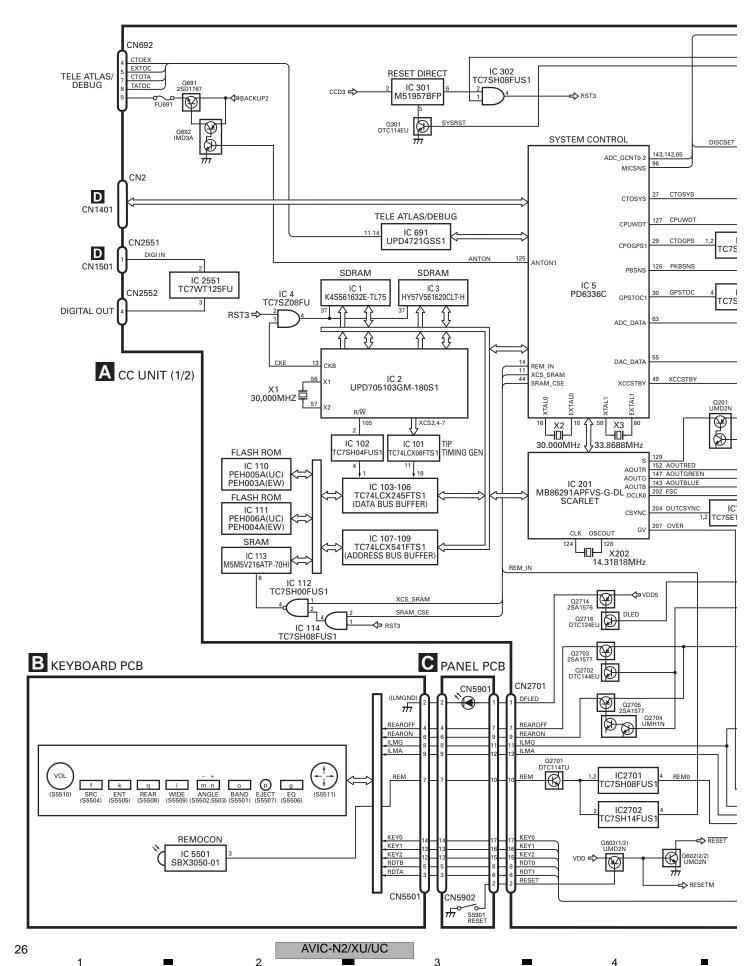
3. BLOCK DIAGRAM AND SCHEMATIC DIAGRAM

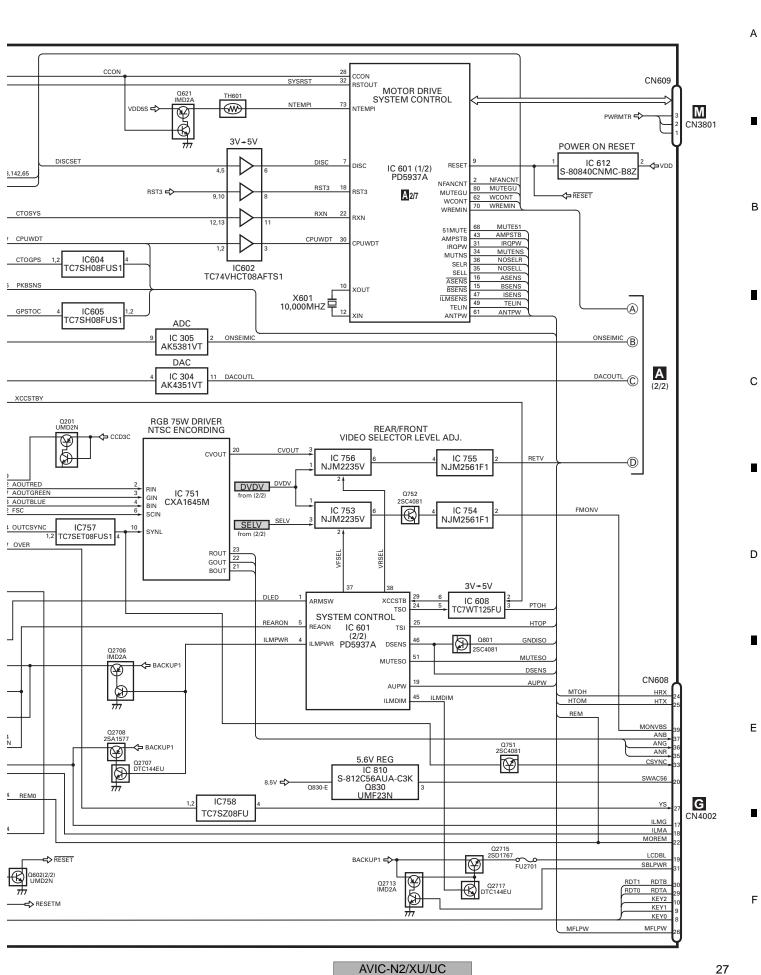
3.1 BLOCK DIAGRAM

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A CC UNIT (2/2) CN607 0754 2SC4081 VIDEO OUT DVDV to (1/2) ADC_GCNT0-2 MIC HPF MIC AMP LPF,AMP ATT MUTE Q2604,2605,2607 DTC323TU IC2601(1/2) NJM3403AV IC2601(2/2) Q2402 DTC323TU DVD BUFF. ANALOG LOUT RETL NJM3403AV Q2603,2606,2608 UMD2N & DVD LPF ELECT SOU IC2407 NJM3403A\ MUTE Q2403 DTC323TU ANALOG ROUT RETR DVDL 42 DVDR 36 D MUTE CONT CN161 Q2401 SELL 43 SELR 35 MMUTE UMD2N CONTB MUTE 20 **⇔**CONTB /CONTA **⇔** CONTA VDT 18 VCK 17 SLVSTS IC309 TC7SH08FUS1 CL XRES ,R SEP AMP MUTE LPF IC2402 TC7W66FU IC2553 Q2409 IC2552 NJM2068V DTC323TU MUTE CONT ONSEIMUTE1 Q2408 UMD2N (A) NOSELI NOSELR ONSEIMIC MUTENS Α **(D)** MUTE CONT IC2408 NJM2107F VDD5 Θ BUP➡≻ Θ CN731 MUTEVOL Q805 RSQ030P03 DSWBUP -FU809 OFMT MUTEAMP MUTEAMP RESETM RESETM Q806 DTC144EU VDT Q2422 2SC4081 VCK PWRMTR 🚓 PWRVI -FU806 RETR RETL PWRFL - FU801 Q2419 UMD2N SELR SELL **⇔** MBUP VDD = Q821 2SA1834F5 K *** 0822 DTC114EU BSENS CN100 REM МТОН AMPSTB 8.0V REG HTOM FU802 HTOP IC805 DVD8 <-**<**≒ BAC CTOGP TPS5103IDB GPSTOC Q811 Q801 2SB1260 RK4936 PTOH Q802 DTC114EU CONTB € 8.5<mark>V, 5V REG</mark> IC603 TC7SH08FUS1 IC611 IC613 TC7SH00FUS1 CCD5 IC803 TPS5102IDBT FU804 CPUWDT1 8.5V <= **♦** RESET Q815,819 AU85 RK4936 Q807 2SB1260 SELV AUPW 0808 DTC114EU AVIC-N2/XU/UC 28 2

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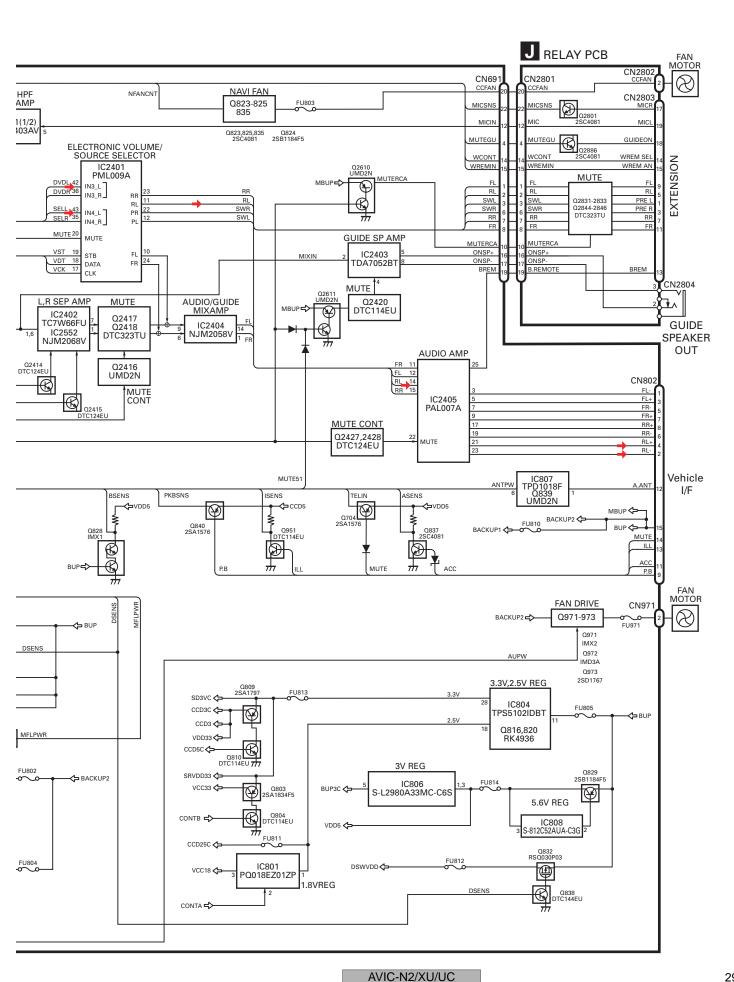
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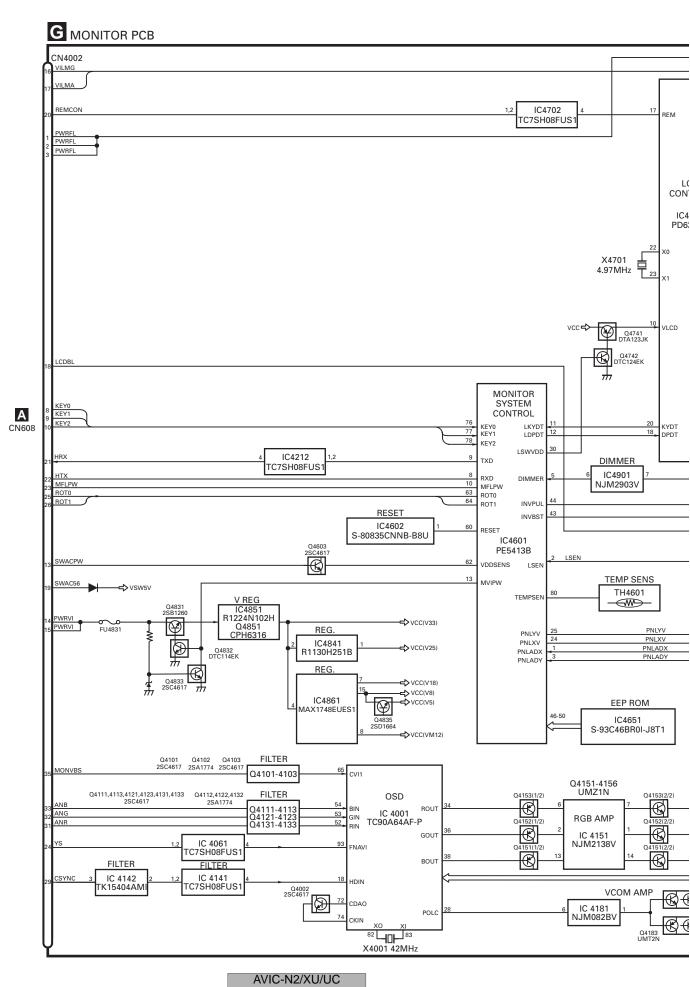
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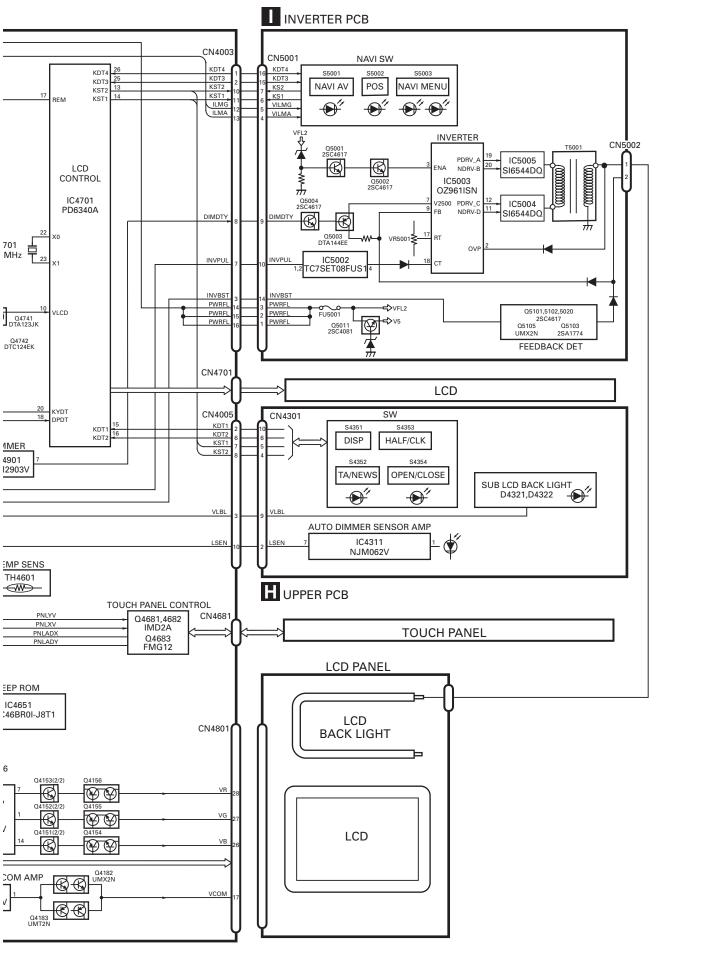
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AVIC-N2/XU/UC

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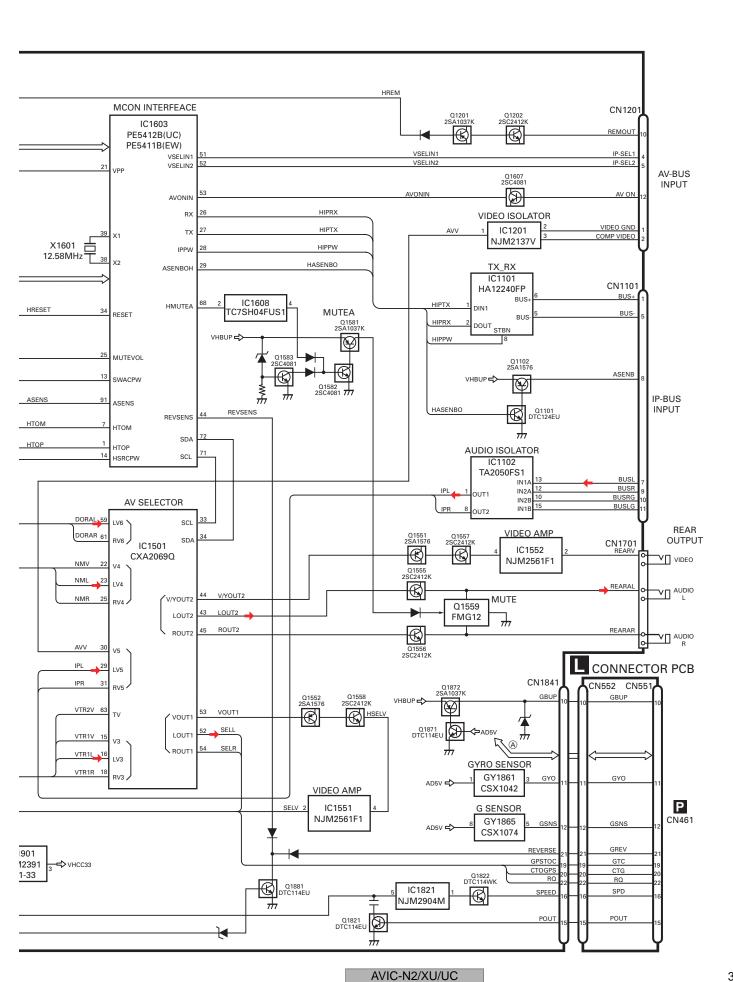
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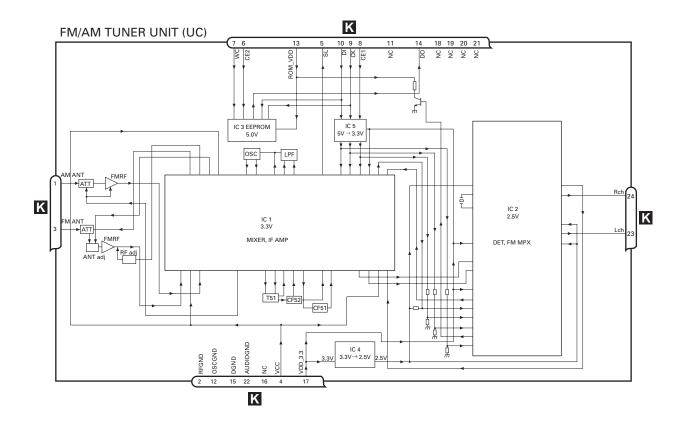
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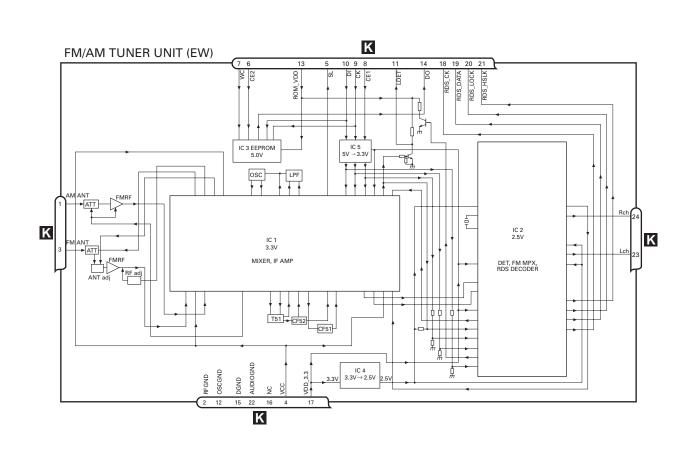
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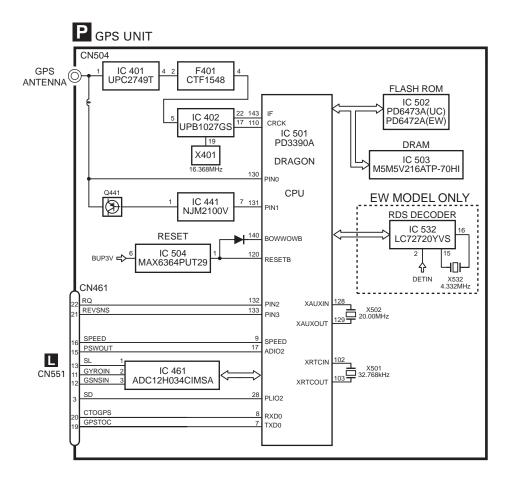
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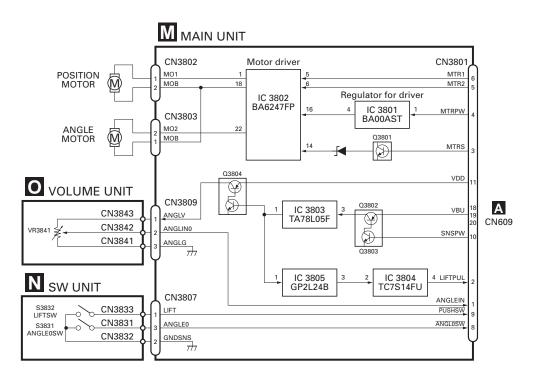
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CN1101 _{Q1101} Q1102 CMPIN IC 1302 TC74HC4053AFT LPFOUT FEP IC 1101 AN8703FH PICKUP UNIT(SERVICE)(DP5) IC 1303 NJM2100V Q1103 HPFOUT,HPFIN A,B1-4,C,RF+,RF-A0-17,D0-7 FG DMIXON DRIVER CARRIGE MOTOR M IC 1201 BA5985FM FOP,FOM,TOP,TOM CN1201 COP,COM IC 1202 AN8471SAT1 (M) SPINDLE MOTOR E LOADING MOTOR COMPOUND UNIT(A) SRAM CN1202 IC 1702 M5M5V216ATP-70HI S 1203 FLASH MEMORY \$1204 \$1205 IC 1705 PD6474B IC 1706 TC7SH08FU CLAMP SW COMPOUND UNIT(B)

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D DVD CORE UNIT (MS3)

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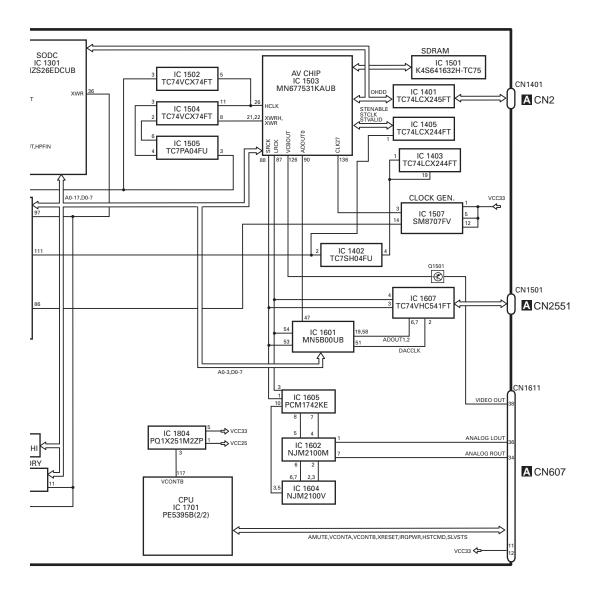
TBAL,FBAL,JLINE,TEY,ASF,FEY,ARF+,ARF OFTR,BOO,RFENV,TESTSG

SODC IC 1301 MNZS26EDCUB

AVIC-N2/XU/UC

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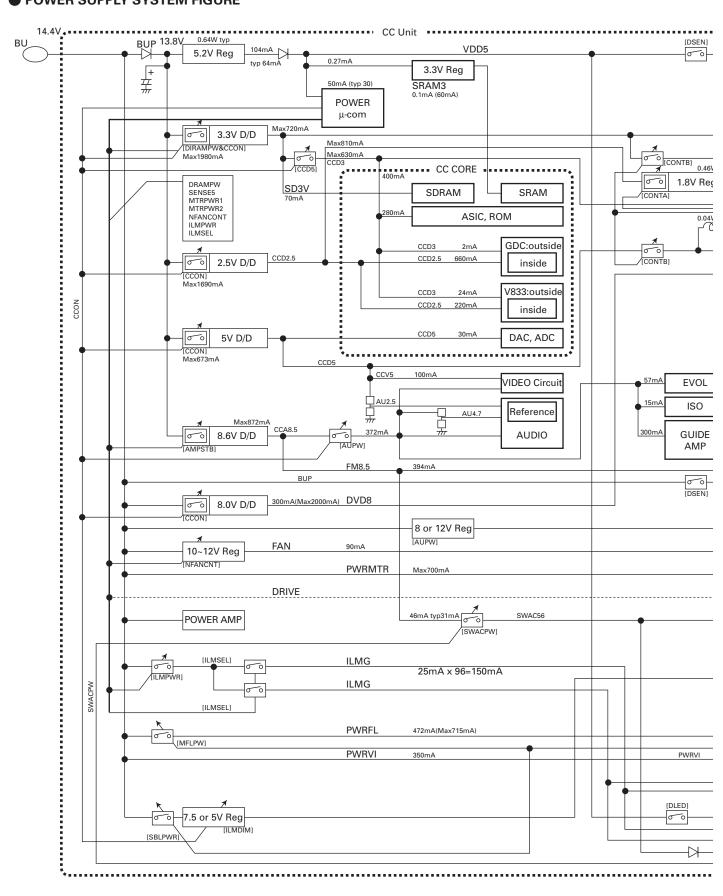
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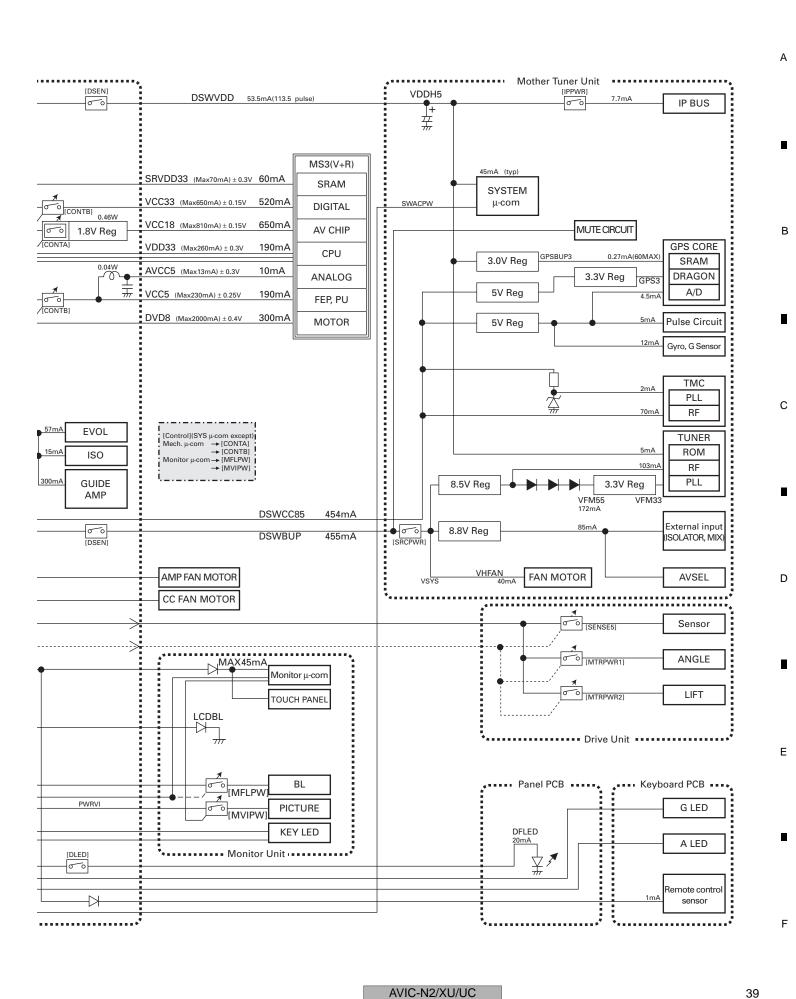


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AVIC-N2/XU/UC



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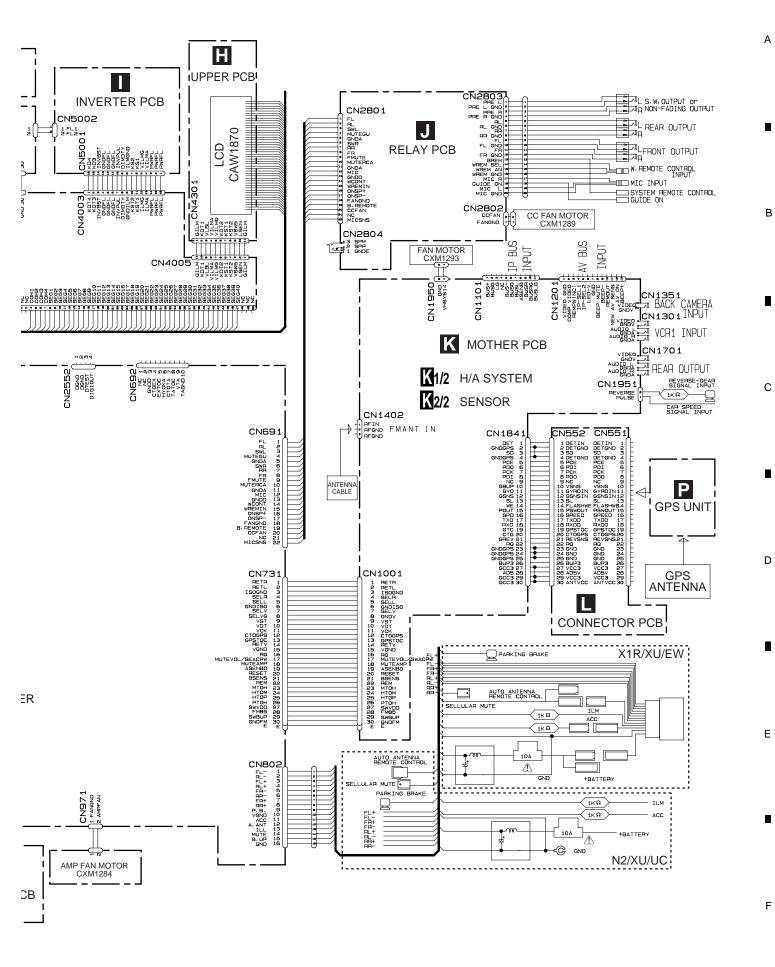
Note: When ordering service parts, be sure to refer to " EXPLODED VIEWS AND PARTS LIST" or "ELECTRICAL PARTS LIST". CN4681 TOUCH PANEL - Symbol indicates a resistor. Decimal points for resistor No differentiation is made between chip resistors and and capacitor fixed values discrete resistors. are expressed as : INV → Symbol indicates a capacitor. 2.2 → 2R2 No differentiation is made between chip capacitors and $0.022 \rightarrow R022$ CN5002 Ų į FLį̇́_ discrete capacitors. LCD PANEL CWX3056 The \triangle mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation. (M) (M) : The power supply is shown with the marked box. CN3803, M08 1 M08 2 CN3802 CN3809 0 MONITOR PCB **VOLUME UNIT** ANGLG **MAIN UNIT** CN3807 N 1 ANGLY 2 GNDSNS 3 ANGLED SW UNIT CN GOOD IT PAGE 128 IT PAGE 1 CN1401 DGND DGND DTEST DIGIOUT CN2 A CONTRACTOR OF THE CONTRACTOR 30 GND 39 DASP M3 DASP DIEIF **DVD MECHANISM** A CC UNIT MODULE **A1/7** P/S A 2/7 SYSCOM, VIDEO, IF CNBO7 40 AVCCC 33 NCCC 33 NCCC 33 NCCC 33 NCCC 33 NCCC 34 NCCC 35 NCCC 35 NCCC 36 NCCC 36 NCCC 37 NCCC 37 NCCC 38 NCCC CN607 **3/7** AUDIO 4/7 CPU, ASIC, SDRAM 5/7 GRAPHIC A 6/7 MAIN, CC CORE I/F 7/7 ROM, SRAM, BUS-BUFFER CN2551 CN971 CN1501 CN5902 <u>CN5501</u> AMP FAN В C

40

AVIC-N2/XU/UC

PANEL PCB

KEYBOARD PCB



AVIC-N2/XU/UC

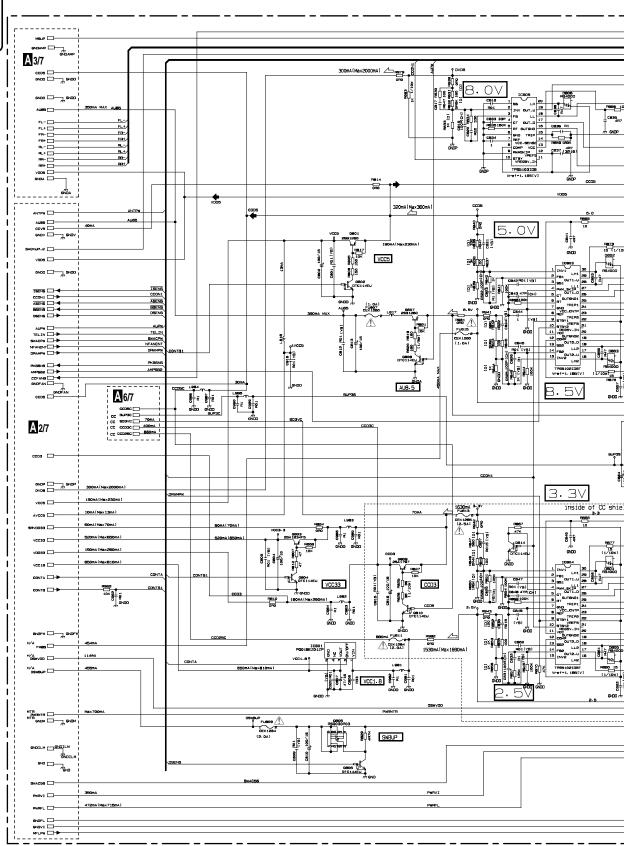
3.3 CC UNIT (P/S)(GUIDE PAGE)

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A 1/7

AVIC-N2/XU/UC

A-b 1/7 M100 FAN MOTOR CXM1284 A 1/7 CC UNIT (P/S) CN971 ANTENNA ON В Back up filter BOX D814 KS926S С BSENS CN802 FLa HL-ACC з FL+ RL+ 447K(D) ASENS 5 FR-Vehicle 6 RR-7 FR+ SFIAM3 e RRt 9 P.B. D 10 VGND ACC ILM SENS 1 1 ACC AANT1 ILM TELM inside of CC shield case 12 A. ANT 13 ILL 14 MUTE 14 MUTE 15 B. UP 16 C SWAC56 Е 0833 P80030 ₩VDD \$ FUEDOS CEXTERNA (1A) SOC 11CT LB10 (100uH) PWRVI PWRFL **A** 1/7 AVIC-N2/XU/UC

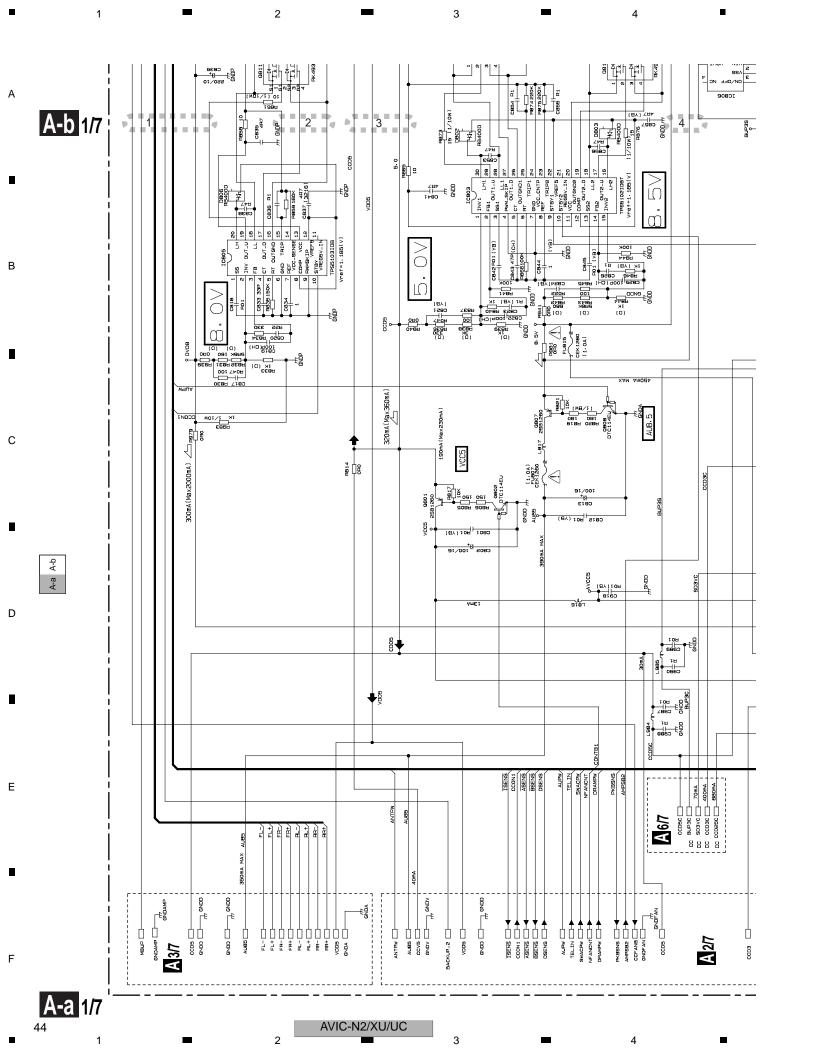
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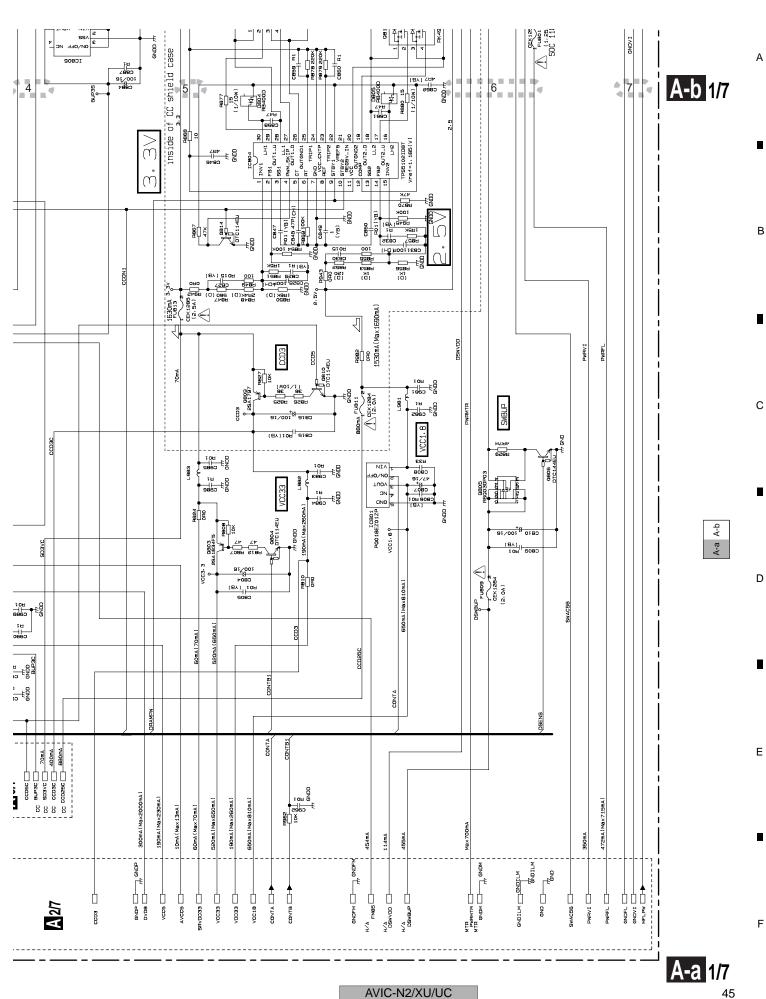
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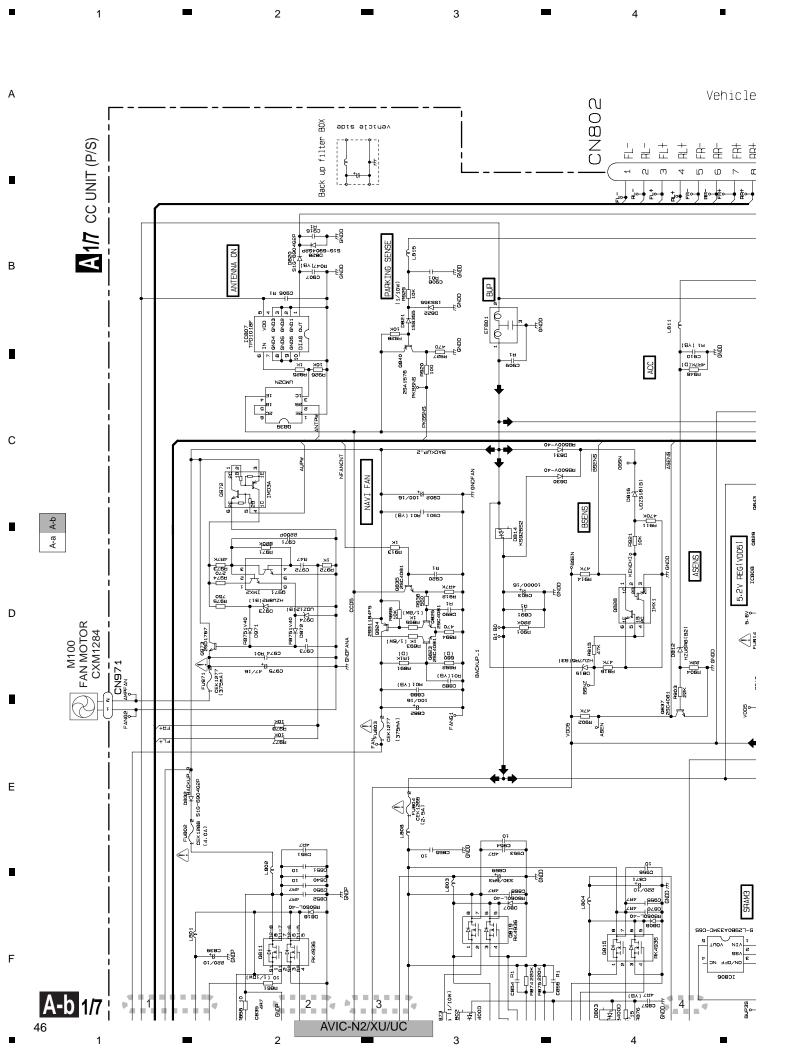
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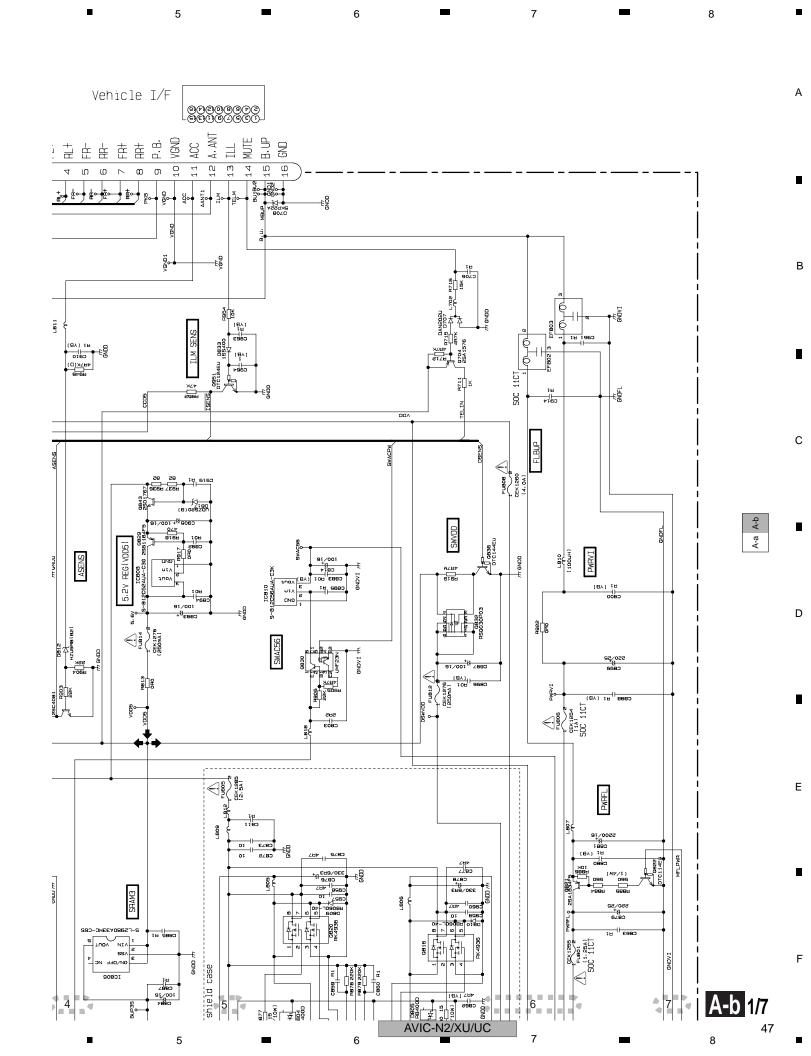
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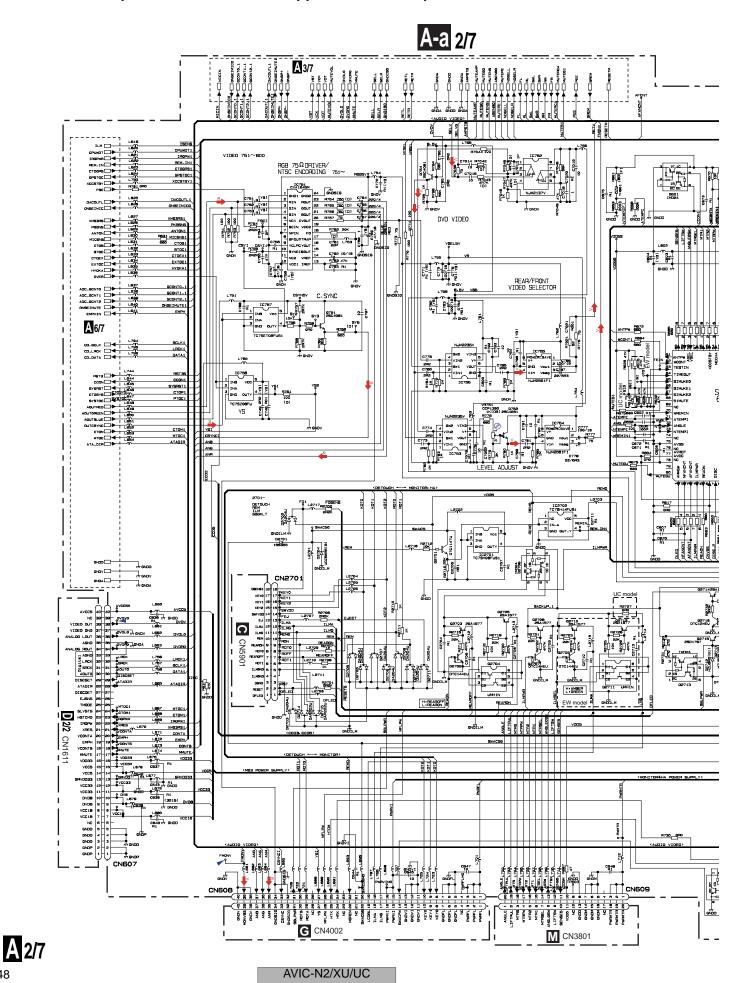








3.4 CC UNIT (SYSCOM, VIDEO, IF)(GUIDE PAGE)



A-b 2/7

A 2/7 CC UNIT (SYSCOM, VIDEO, IF) SYSTEM MICRO 6 0 1 \sim Composite Video Signal RGB Signal SYNC Signal Audio Signal

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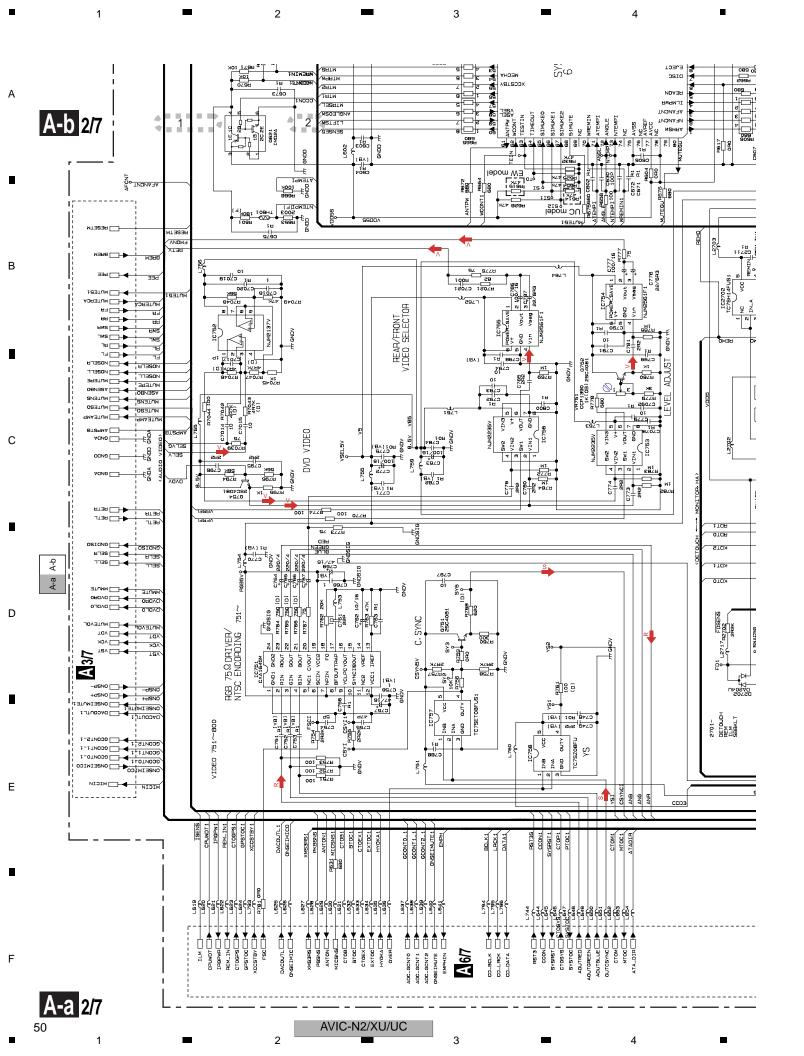
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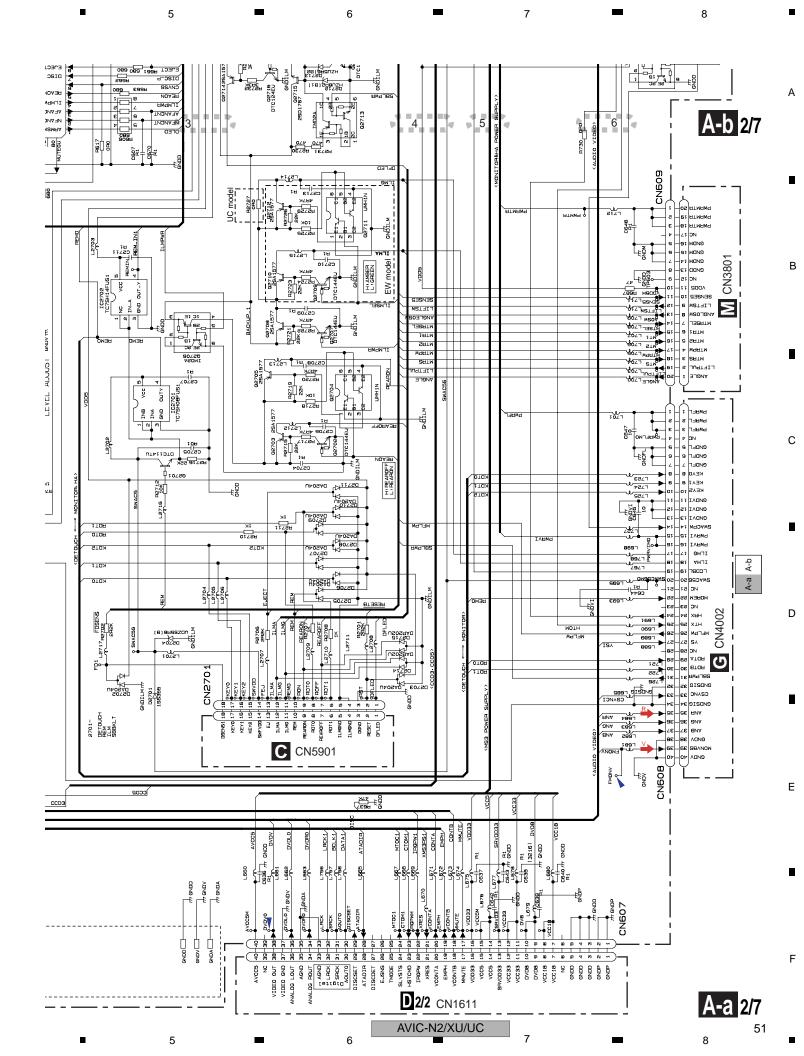
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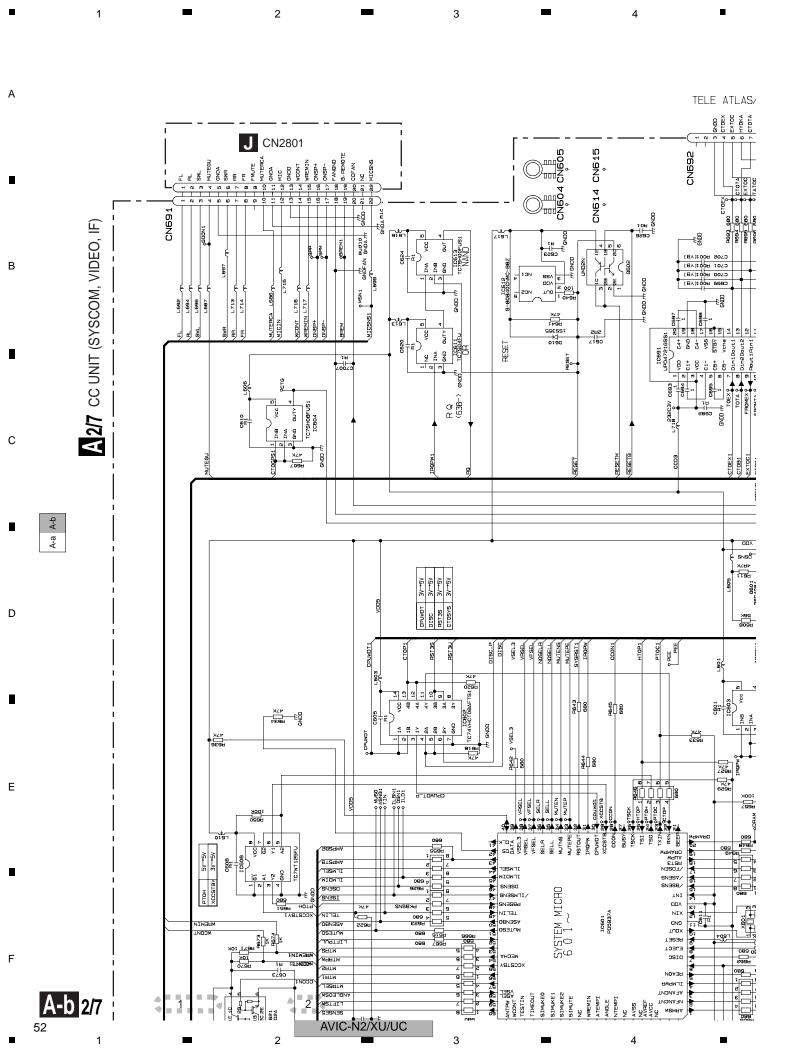
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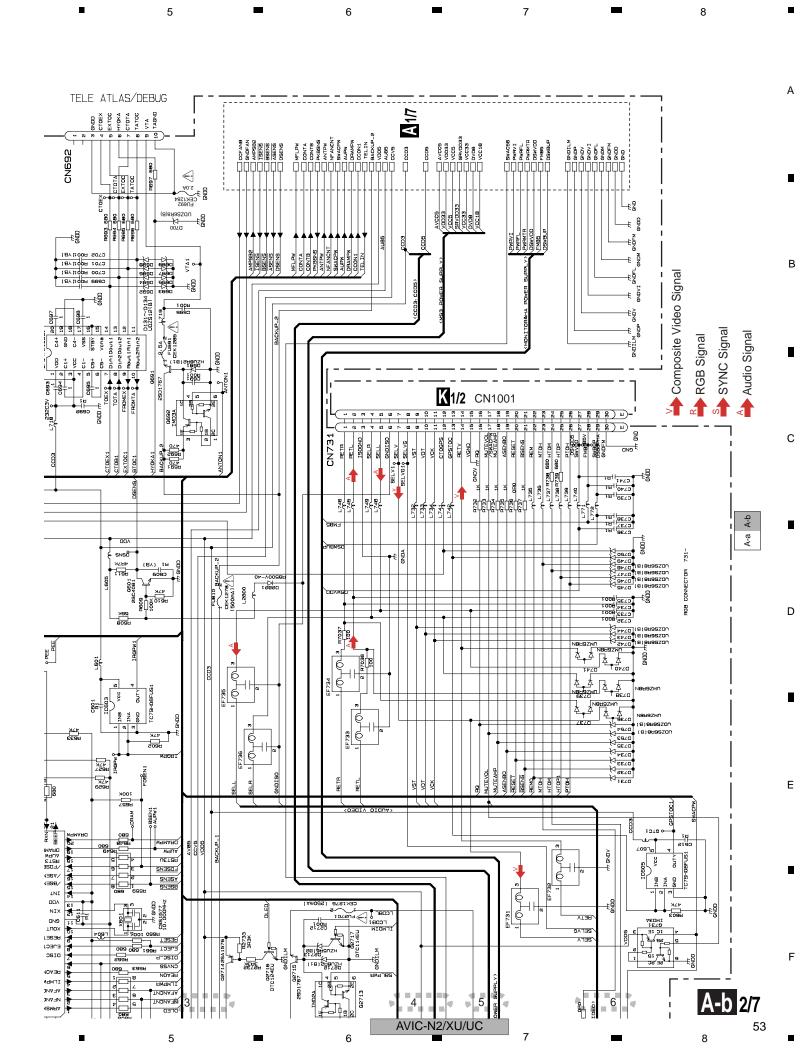
A 2/7

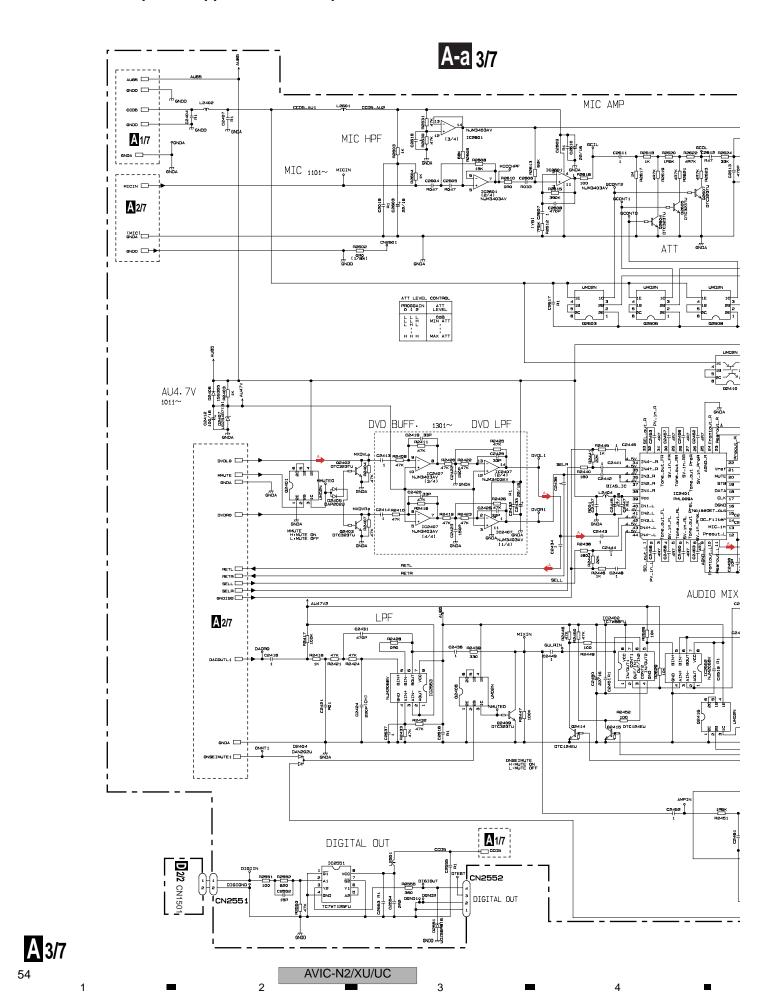
AVIC-N2/XU/UC











A-b 3/7

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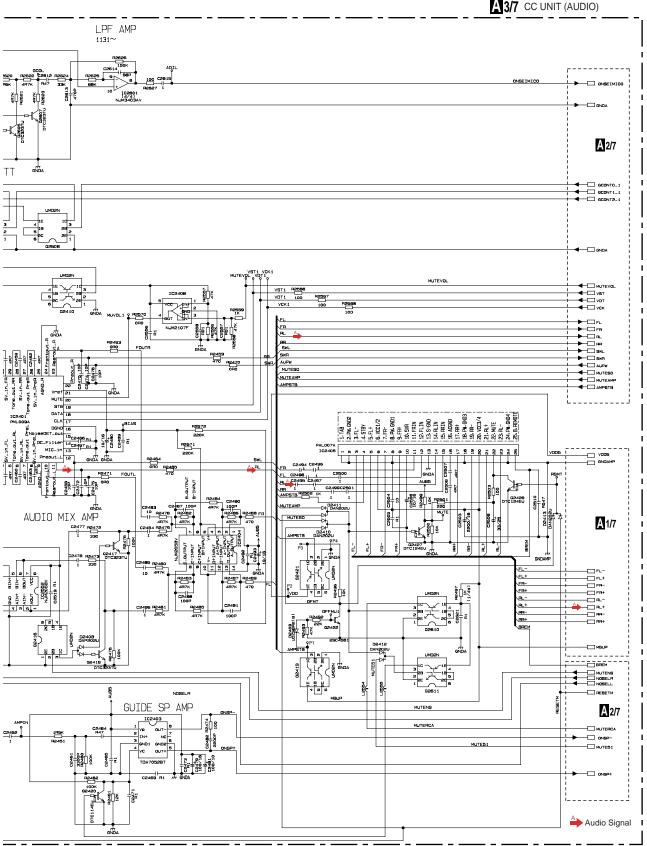
A 3/7 CC UNIT (AUDIO)

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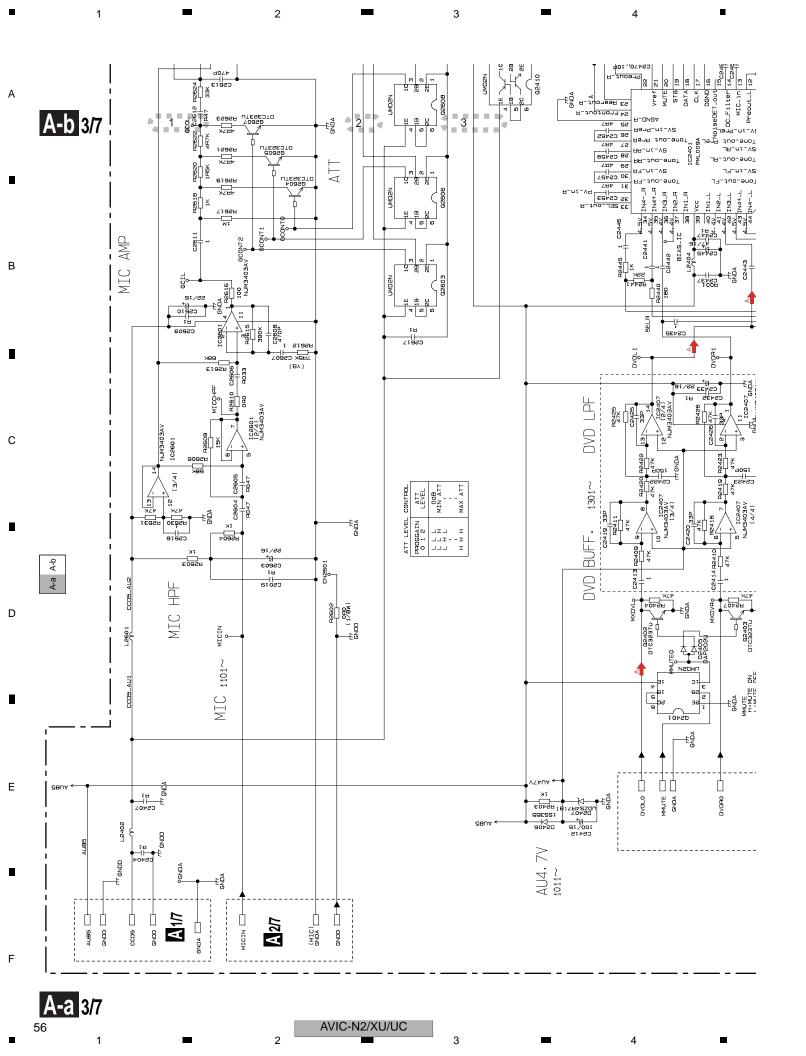


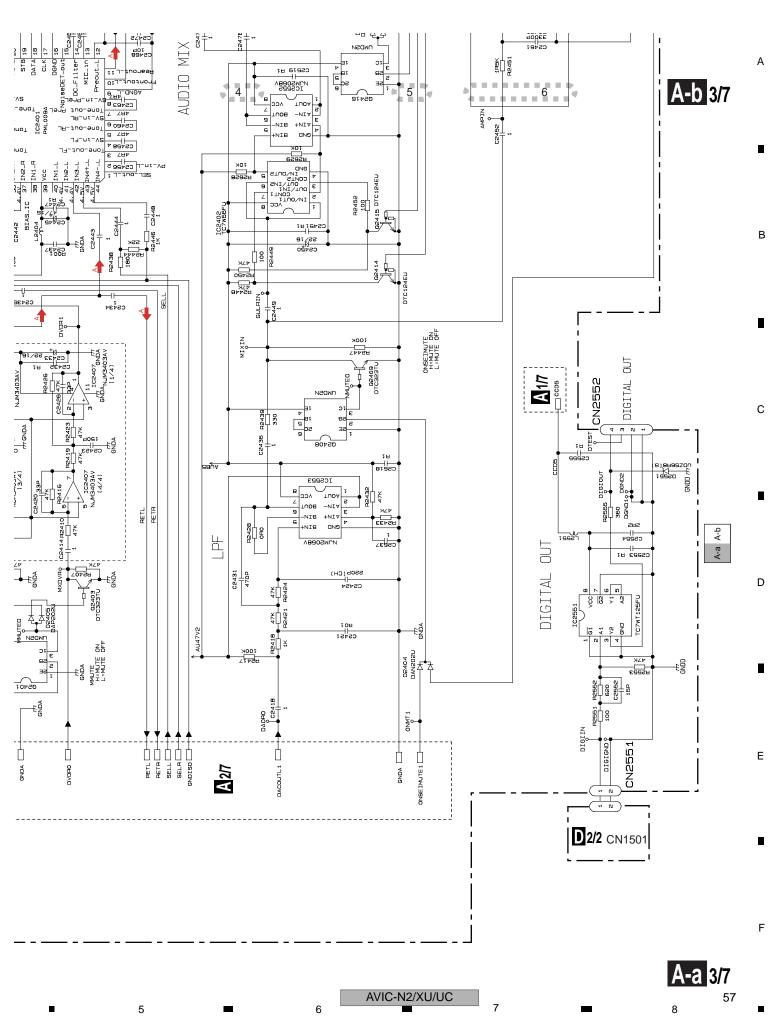
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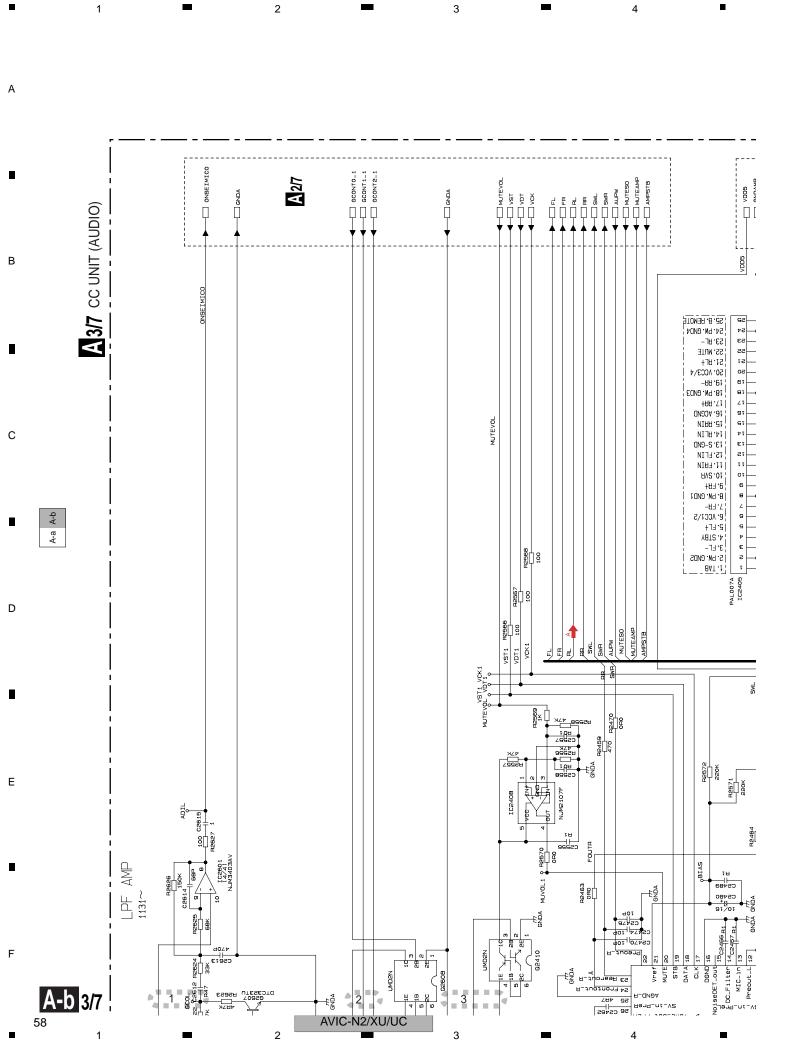
A 3/7

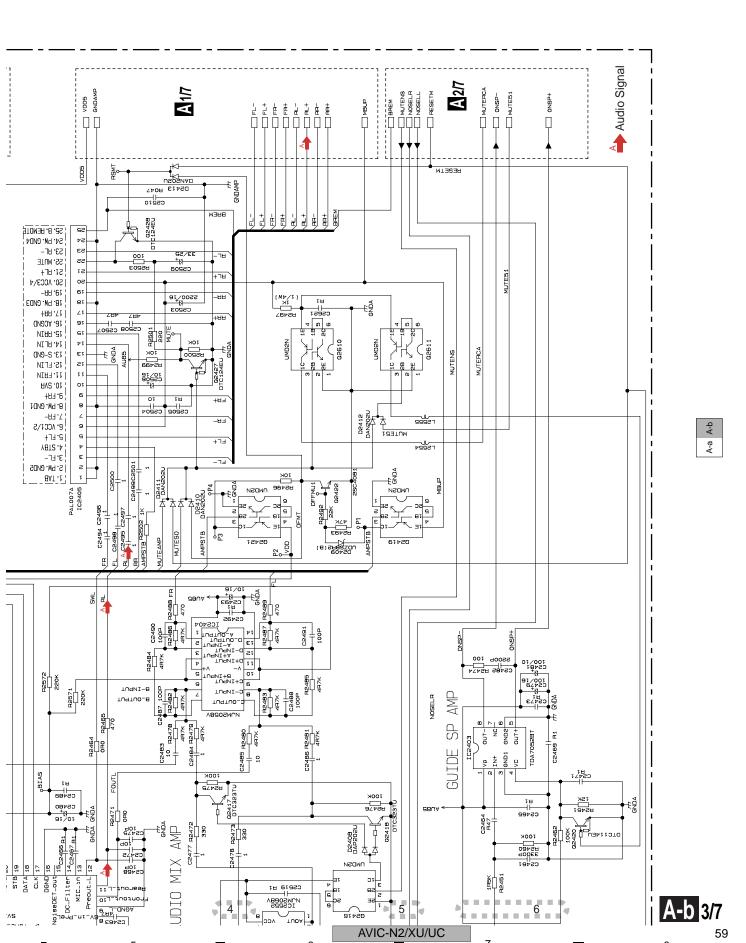
AVIC-N2/XU/UC

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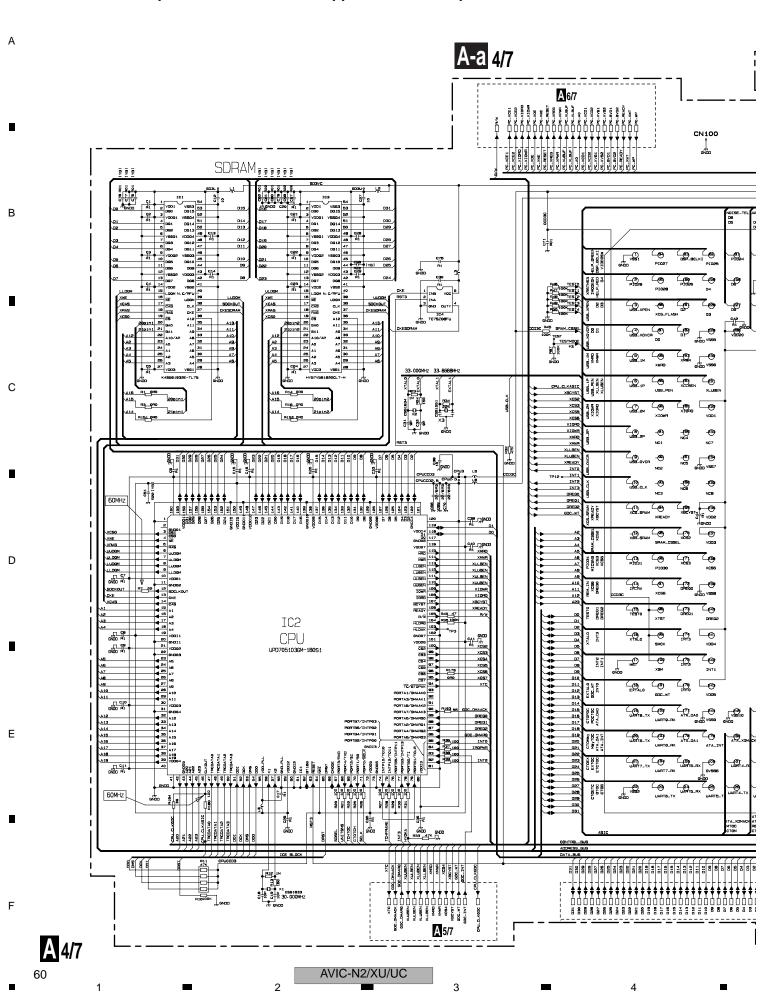
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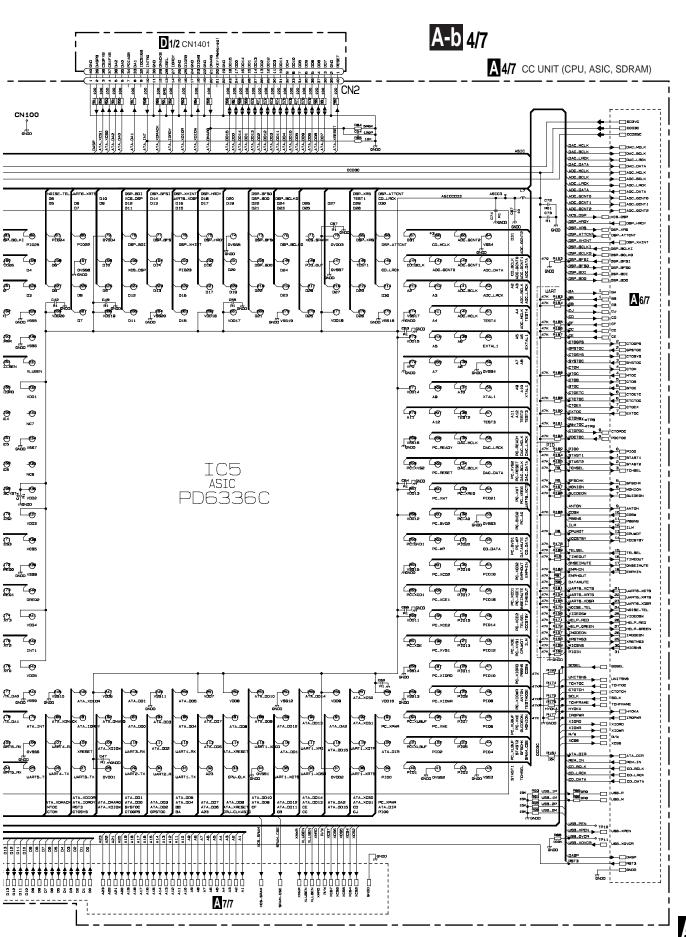
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3.6 CC UNIT (CPU, ASIC, SDRAM)(GUIDE PAGE)





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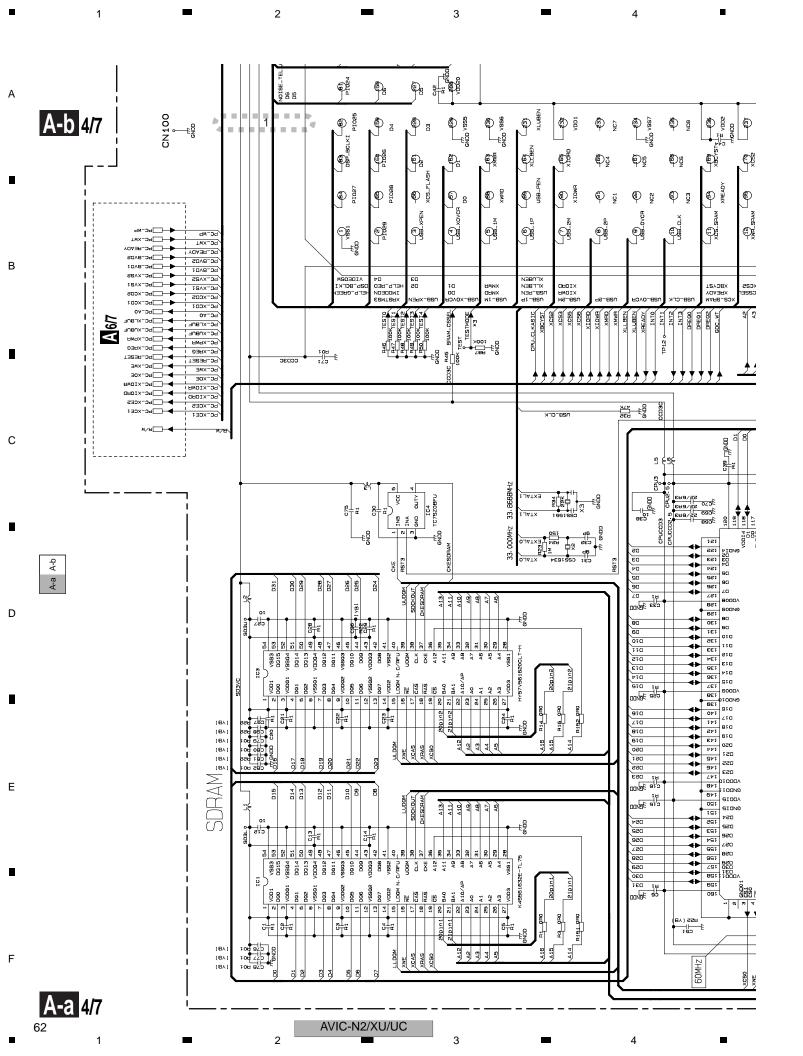
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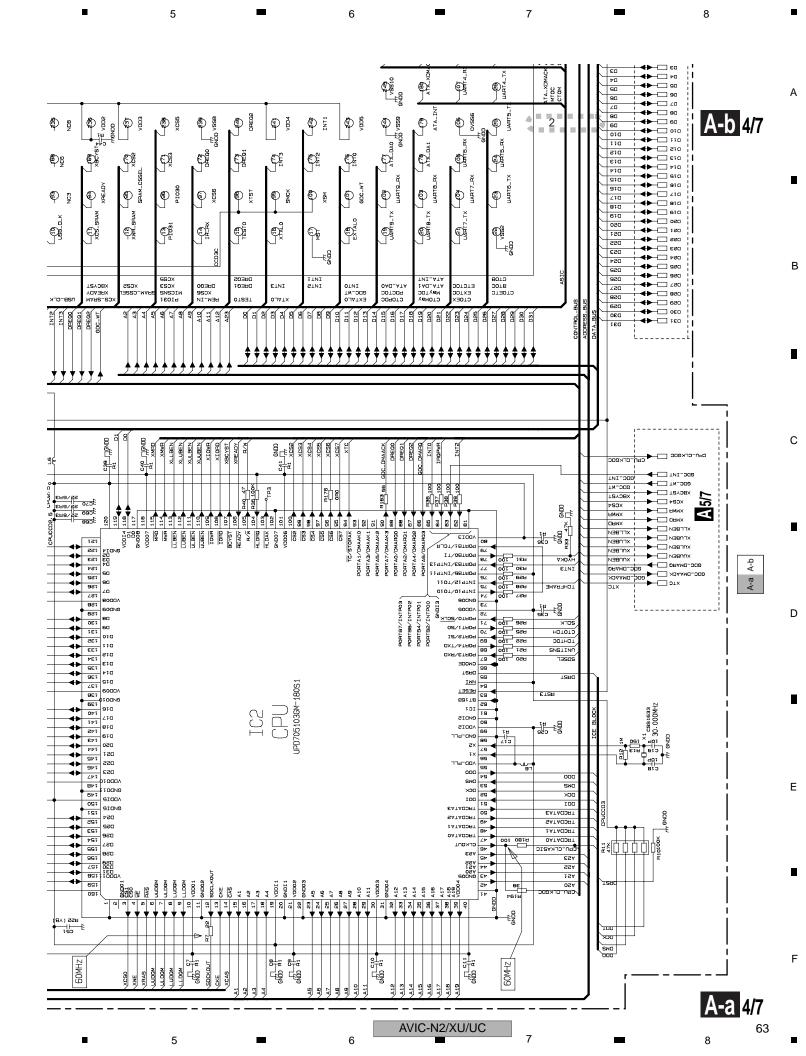
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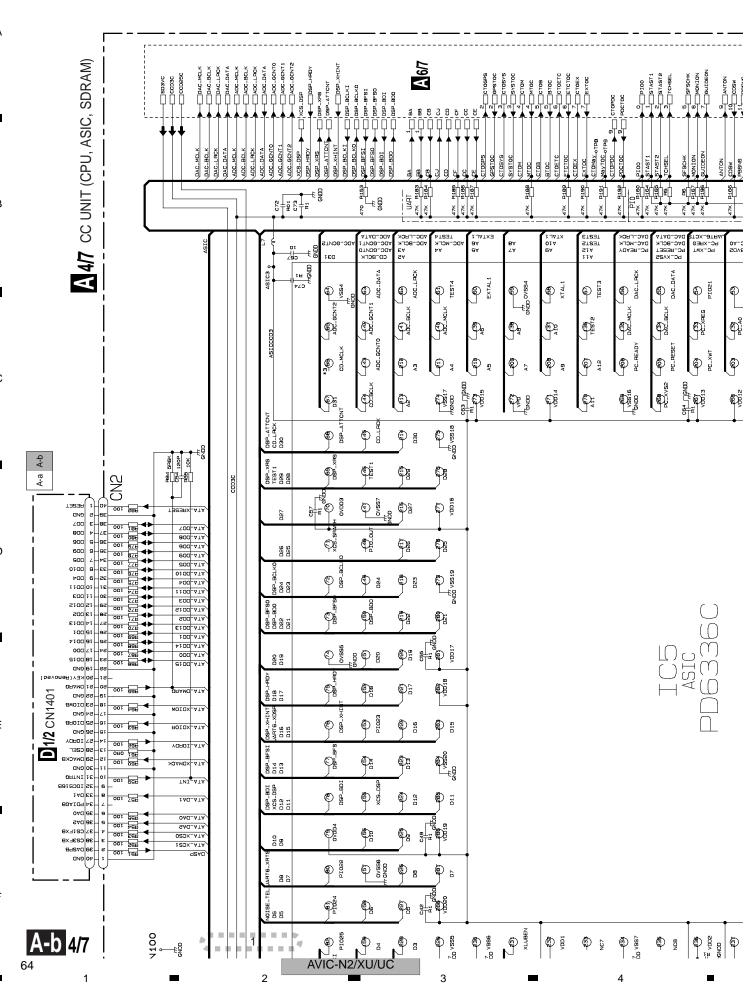
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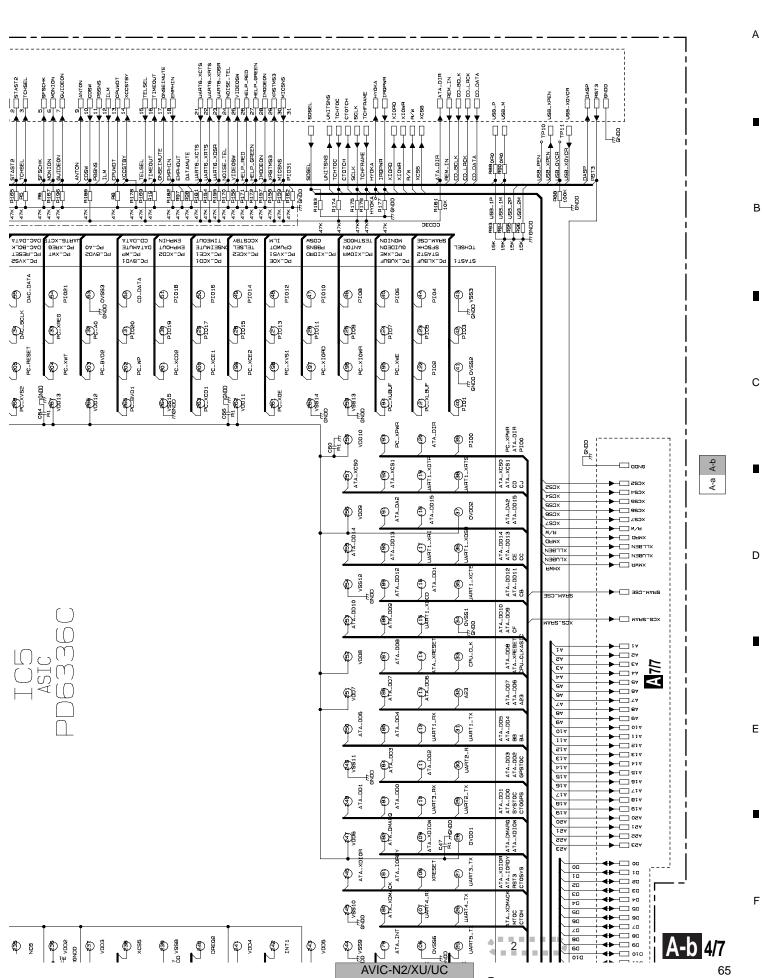
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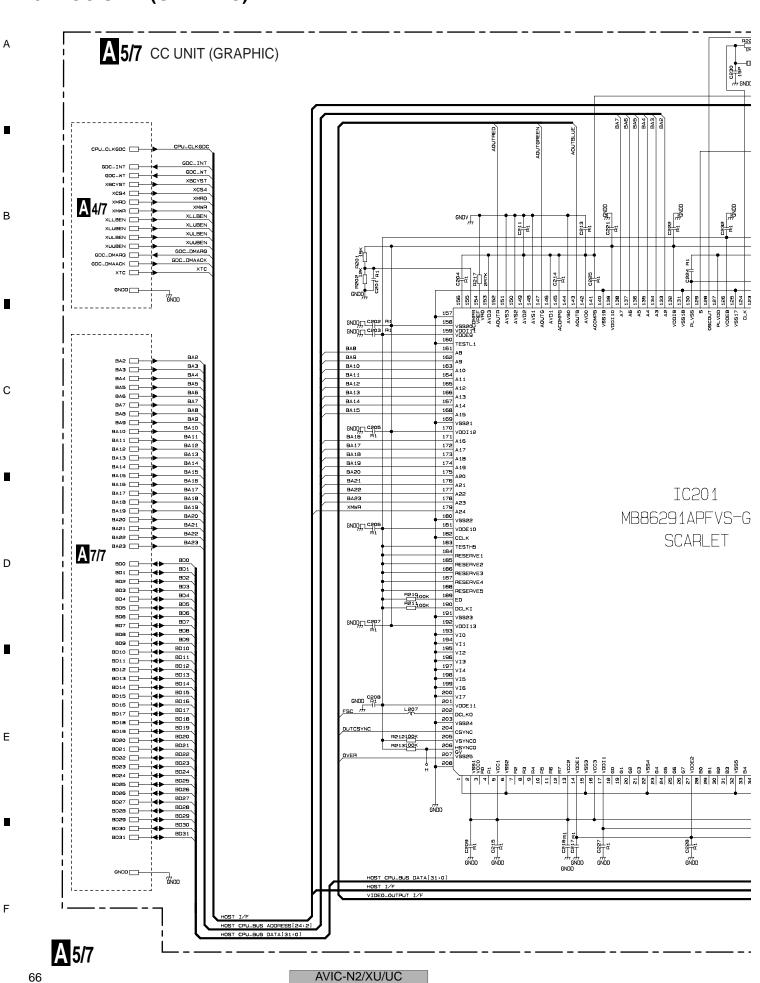
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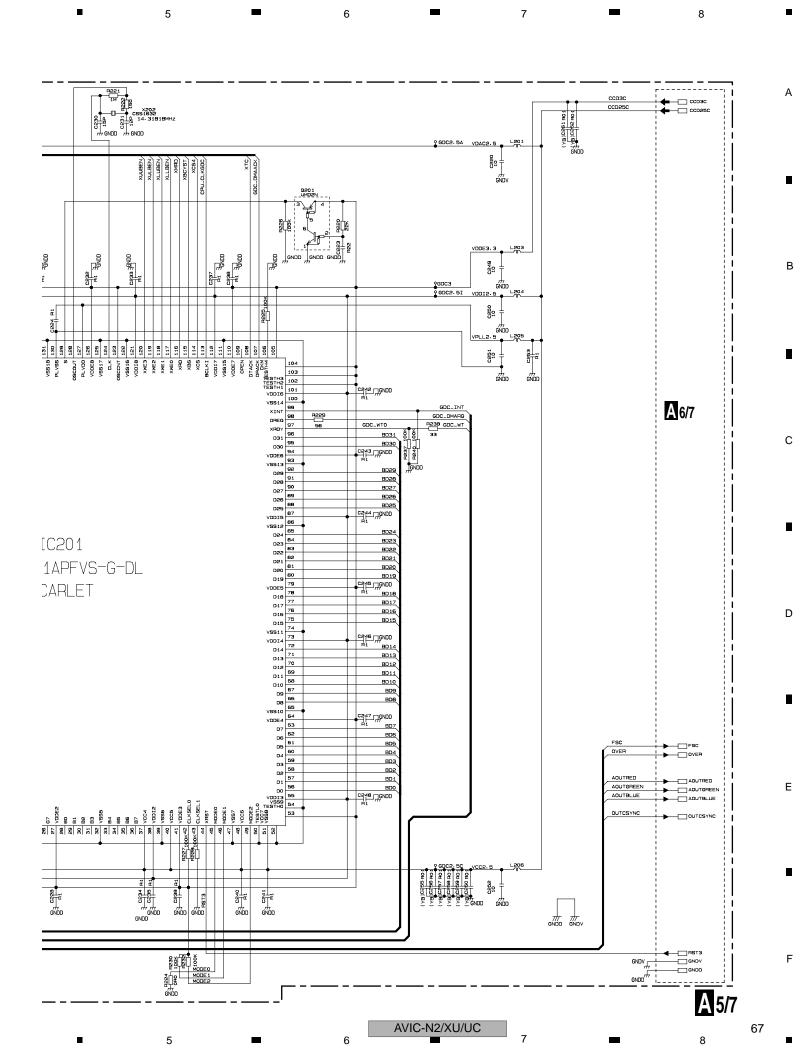
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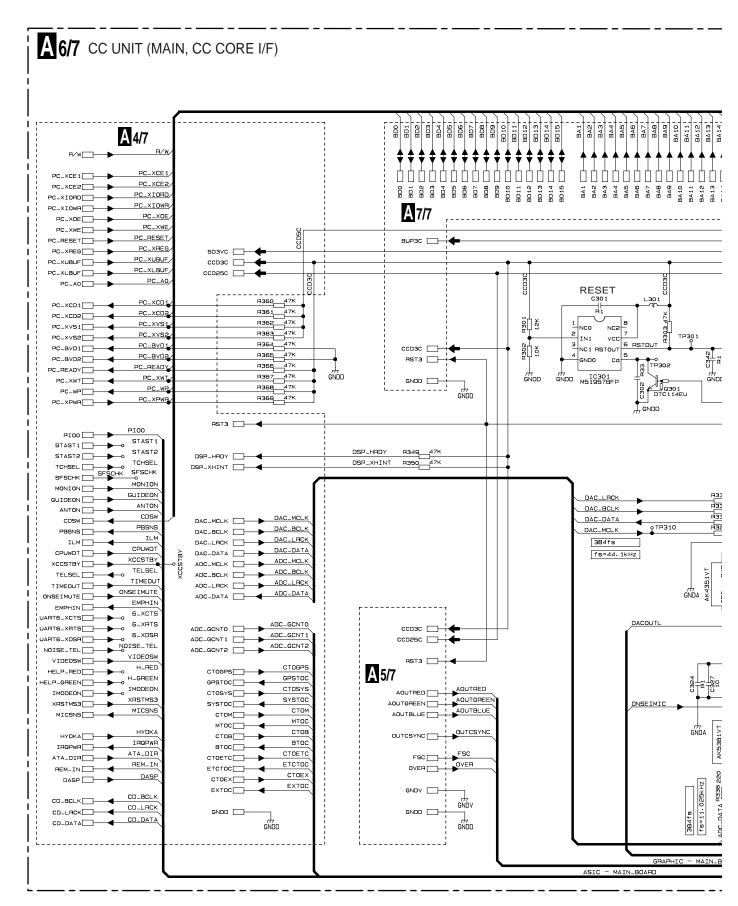
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3.8 CC UNIT (MAIN, CC CORE I/F)



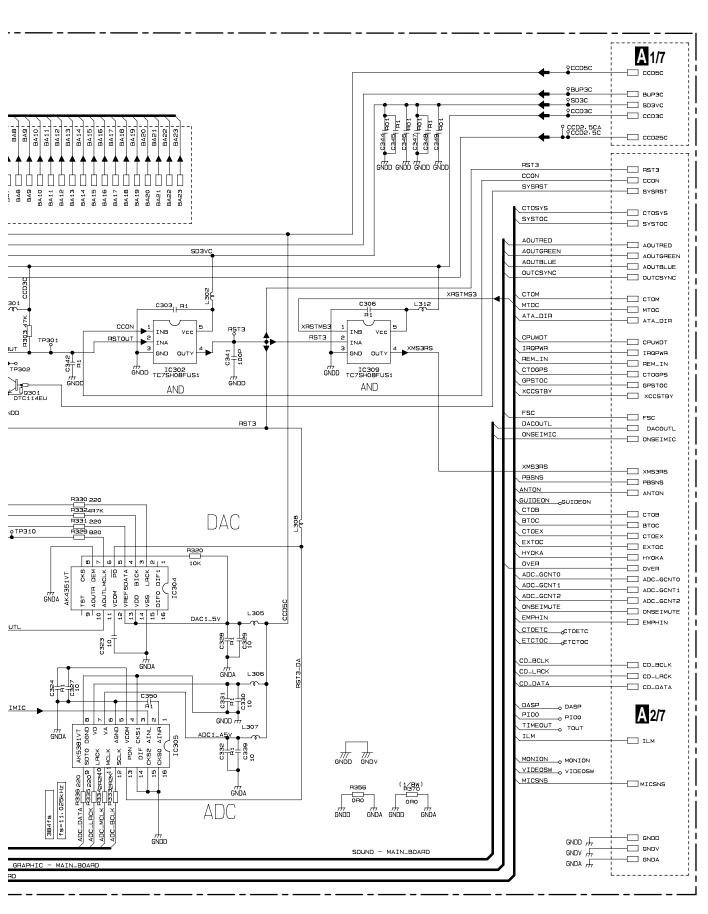
A 6/7

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AVIC-N2/XU/UC

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A 6/7

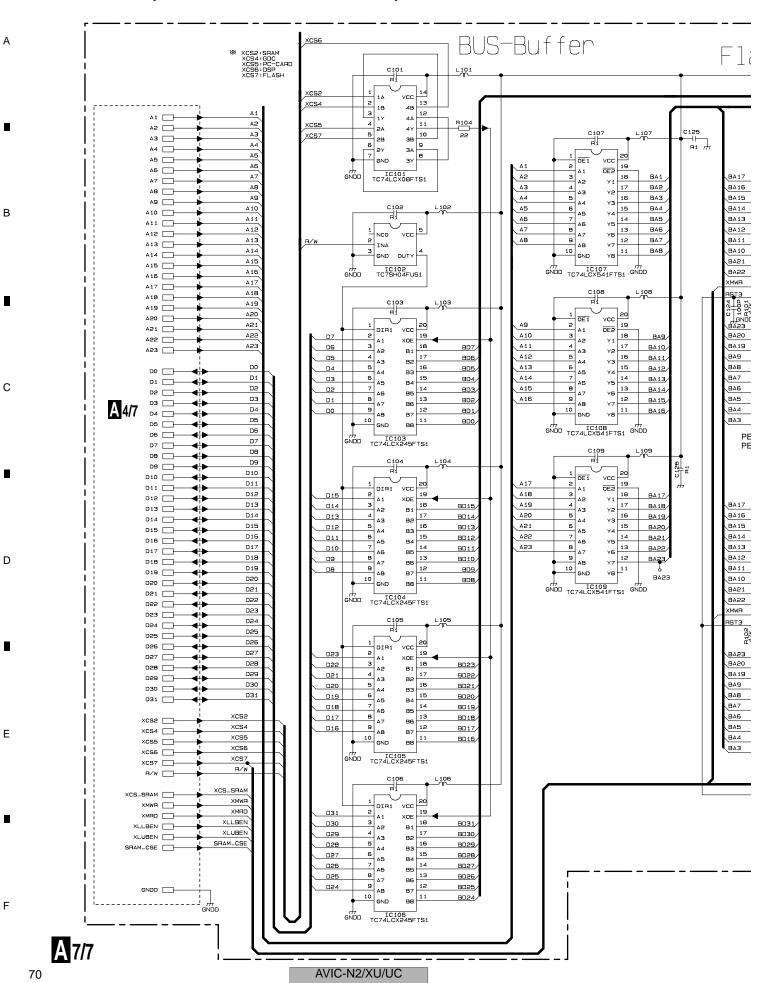
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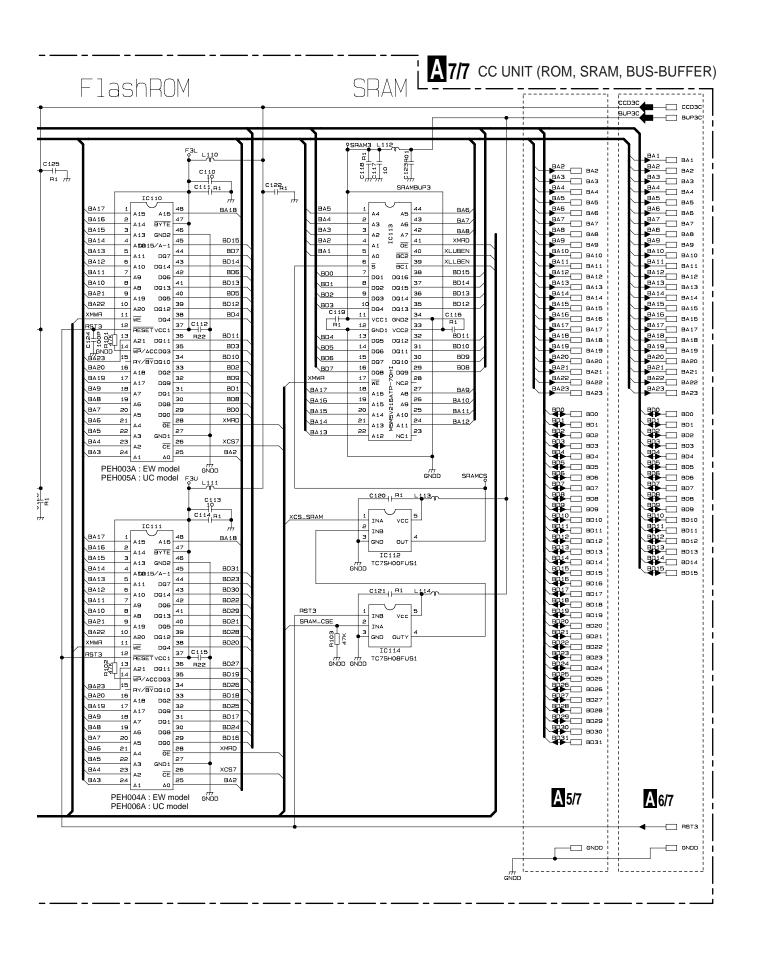
AVIC-N2/XU/UC

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3.9 CC UNIT (ROM, SRAM, BUS-BUFFER)





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AVIC-N2/XU/UC 7

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AVIC-N2/XU/UC

B KEYBOARD PCB **SELECT** ISOR EQ R5514 \$5506 \$W1+ 3R9K В R5549 4 1R2K R5515 5 CSG1111 SW1+ SW2+ SW1- SW2-12K CN550 CSG1111 **EJECT** μ GND \$5507 \$W1+ \$W2+ 2 ILMGND R5516 SW1+ 3 3 RDTA 4 REAROFF CSG1111 5 RDTB С e REARON CN5902 7 REM B ILMG R5563 9 ILMA 9 100 SWVDD O 11 12 KEY2 12 |₁₃|КЕҮ1 13 14H14KEY0 15 DSENS1 15 D5541 D5542 D UDZS20(B) R5533 R5542 R5537 R5539 R5527 574 R5528 R5528 R5510 R5528 R5510 R5510 180 180 180 180 R5548 Q R5585 D5531 R5529 180 180 CL-195SR-CD R5561 R5 R5558 R5565 R5573 538 D5512 D5514 K 1 m ORO 120 120 120 150 D5534 CL-195PG-CD O P CL-195PG-CD CL-195PG-CD X D5521 D5522 -195PG-CD CL-195PG-CD D5516 D5518 -195PG-CD CL-195PG-CD D5513 D5515 Ε R5530 R5501 R5540 R5532 R5522 120 120 120 120 120 R5511 R5519 R5599 R5512 R5543 120 120 120 120 120 R5524 R5538 R5534 R5536 R5541 120 120 120 120 120 KEYBOARD UNIT Consists of KEYBOARD PCB PANEL PCB

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AVIC-N2/XU/UC

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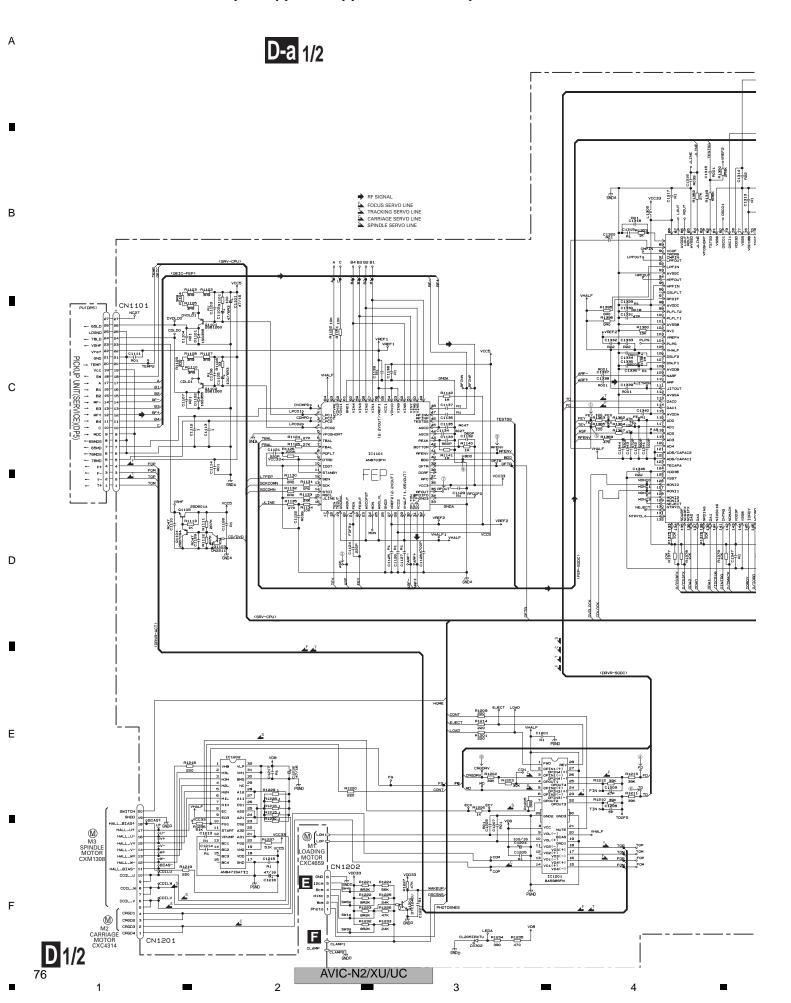
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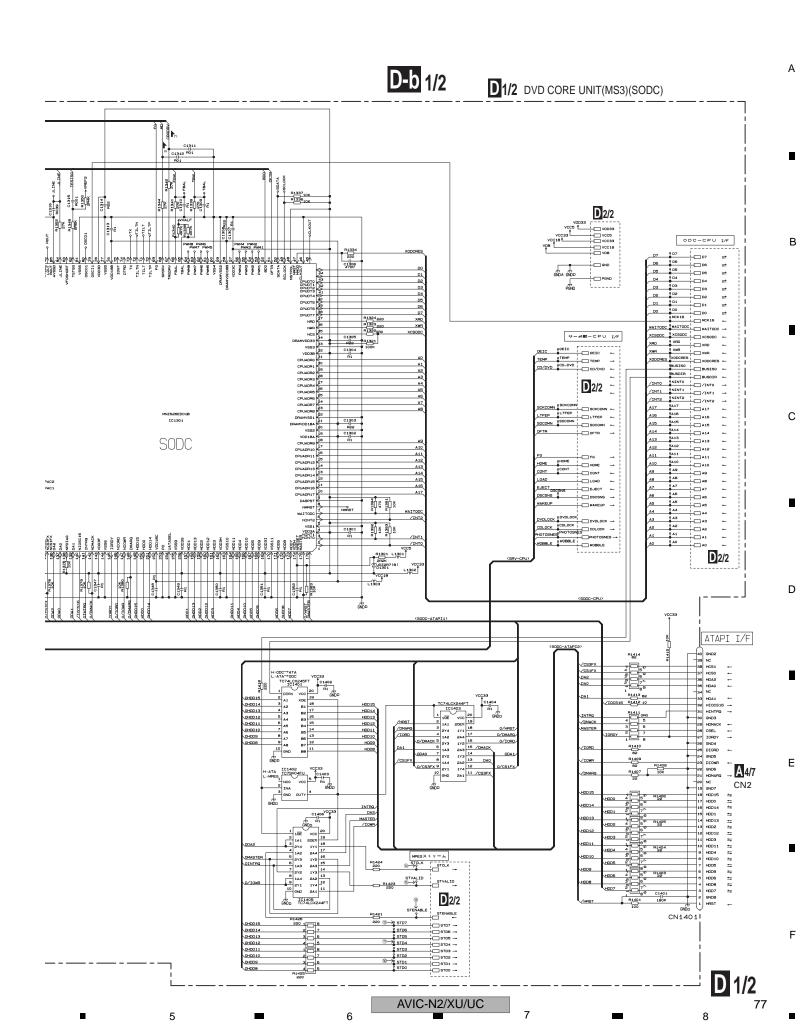
AVIC-N2/XU/UC

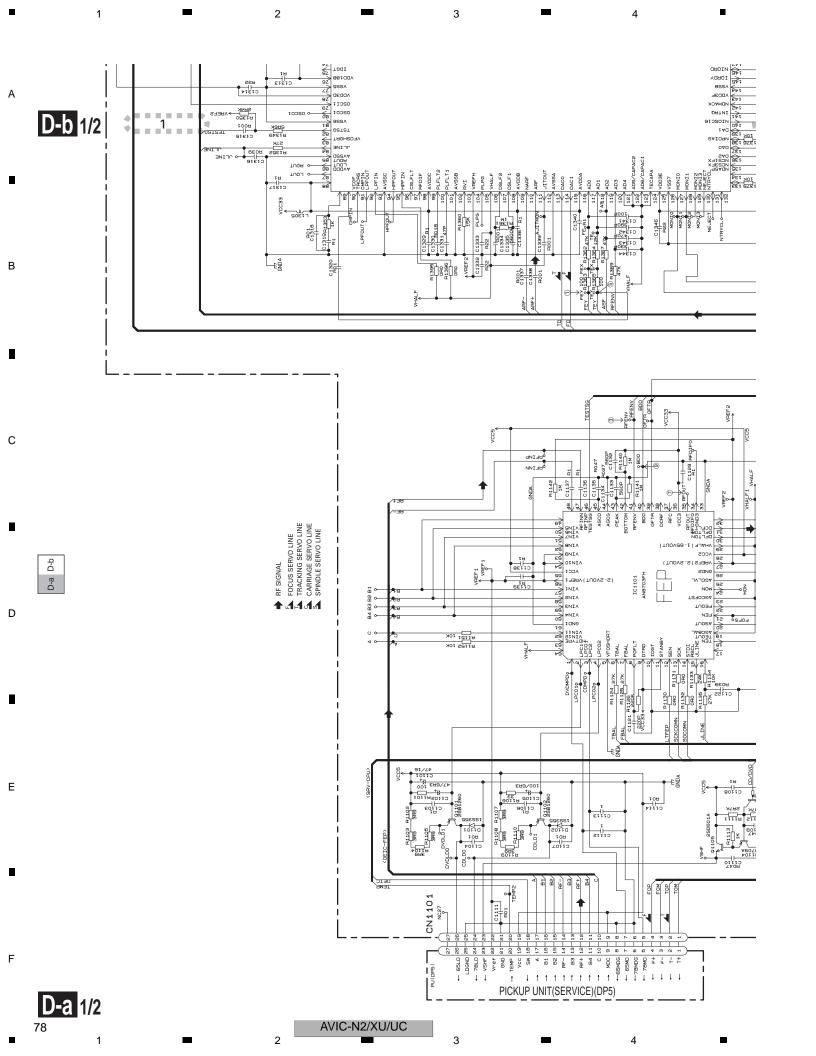
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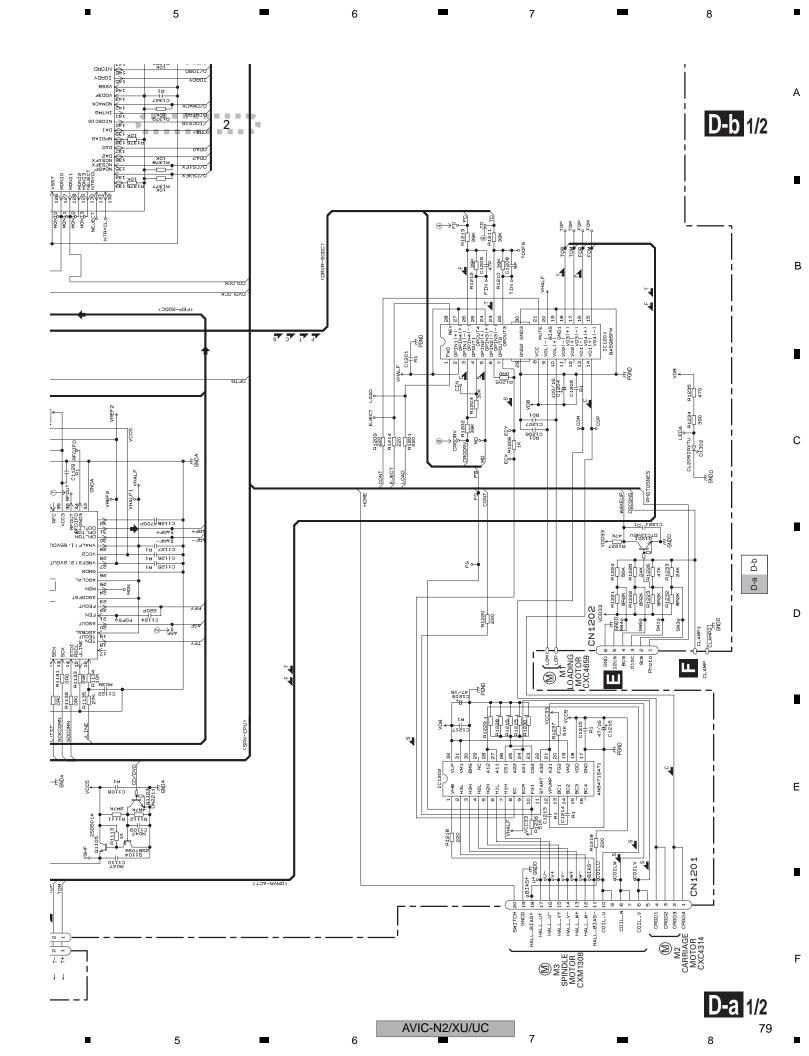
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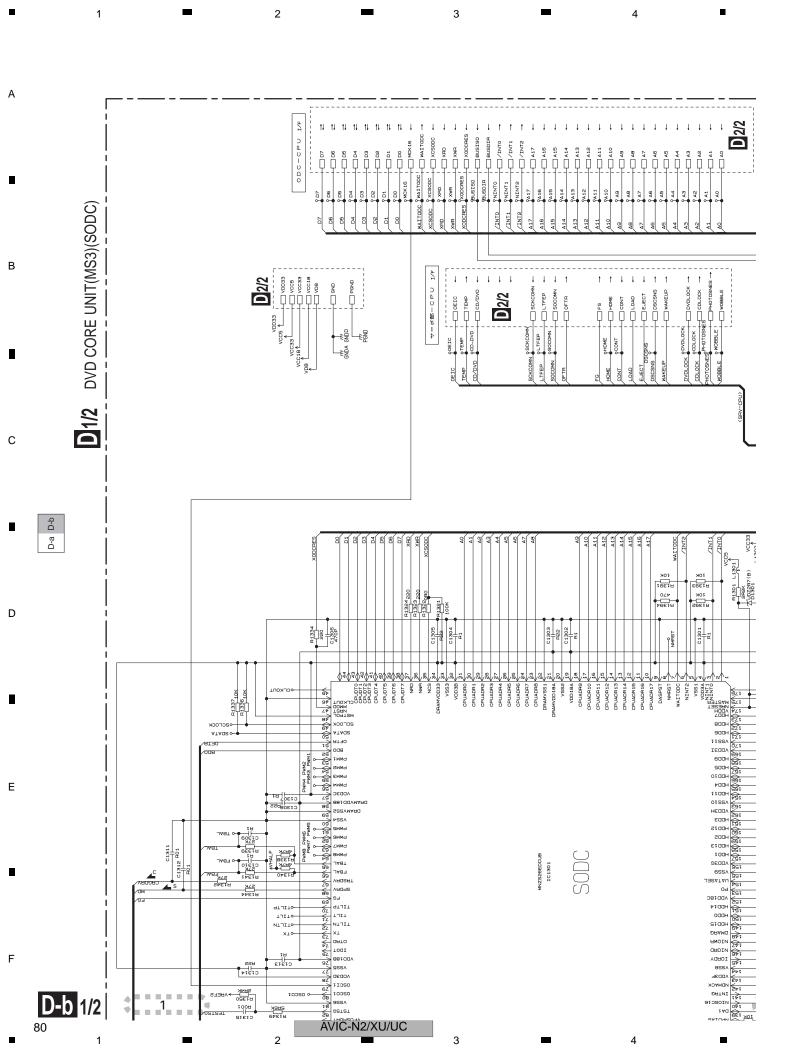
3.12 DVD CORE UNIT(MS3)(SODC)(GUIDE PAGE)

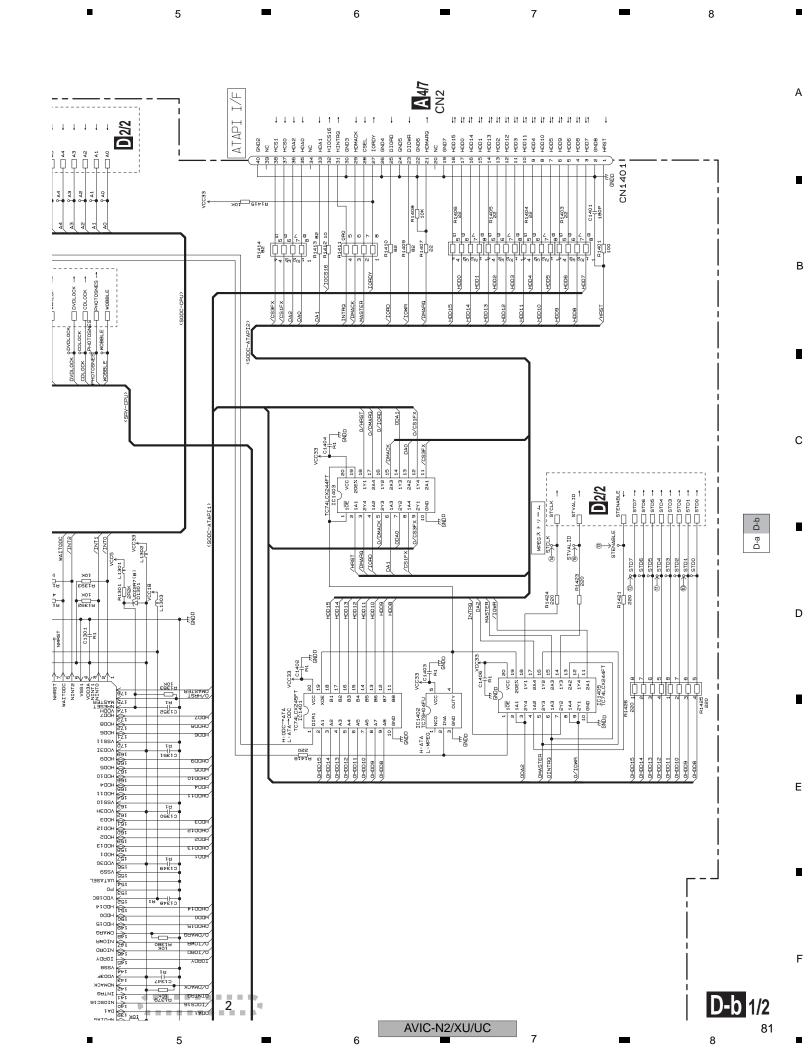










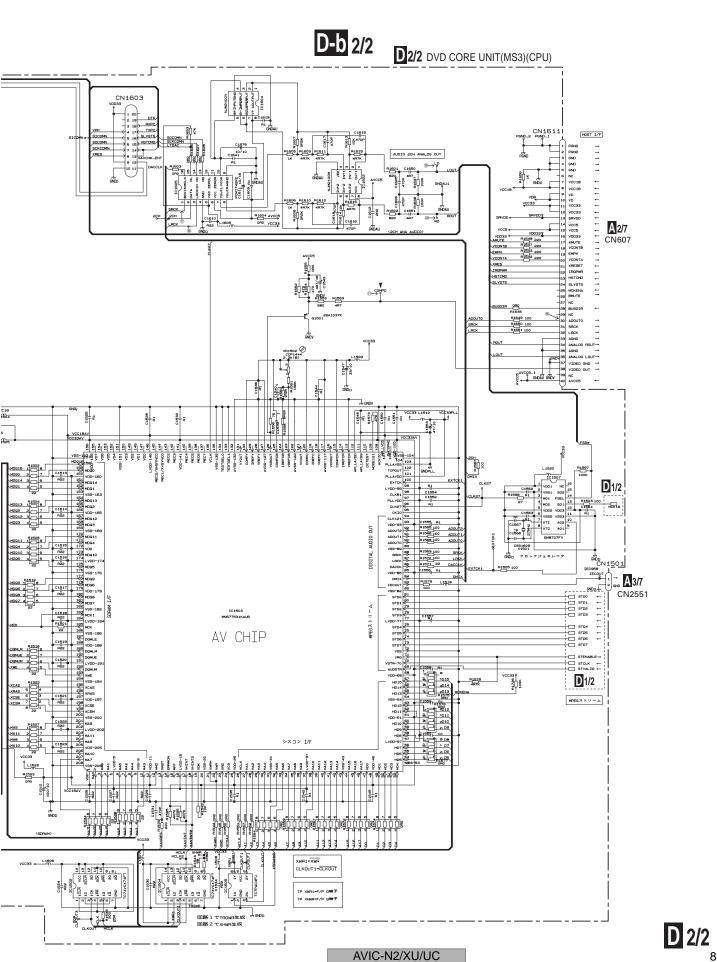


3.13 DVD CORE UNIT(MS3)(CPU)(GUIDE PAGE)

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D-a 2/2 **D**1/2 D 1/2 R1805 VC D1/2 D 1/2 MAITODC CONTROL CONTRO VCC18 PD6474B R1763 100K CPU PE5395B C1703 T See D 2/2 AVIC-N2/XU/UC 2



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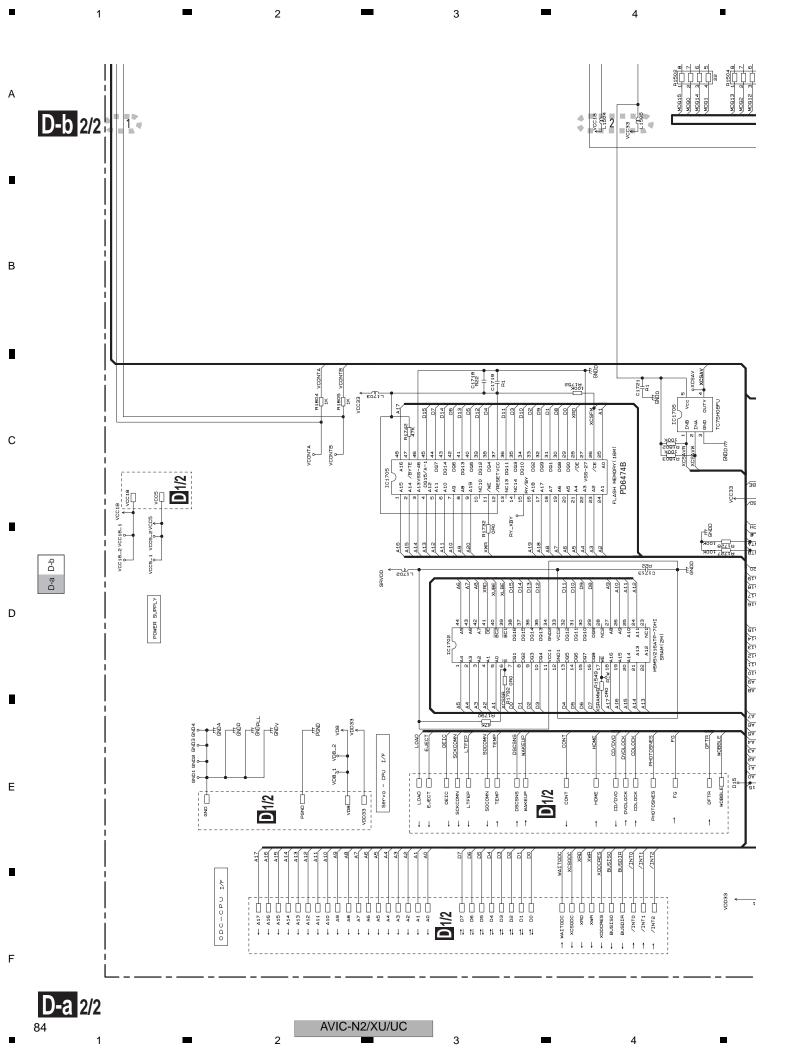
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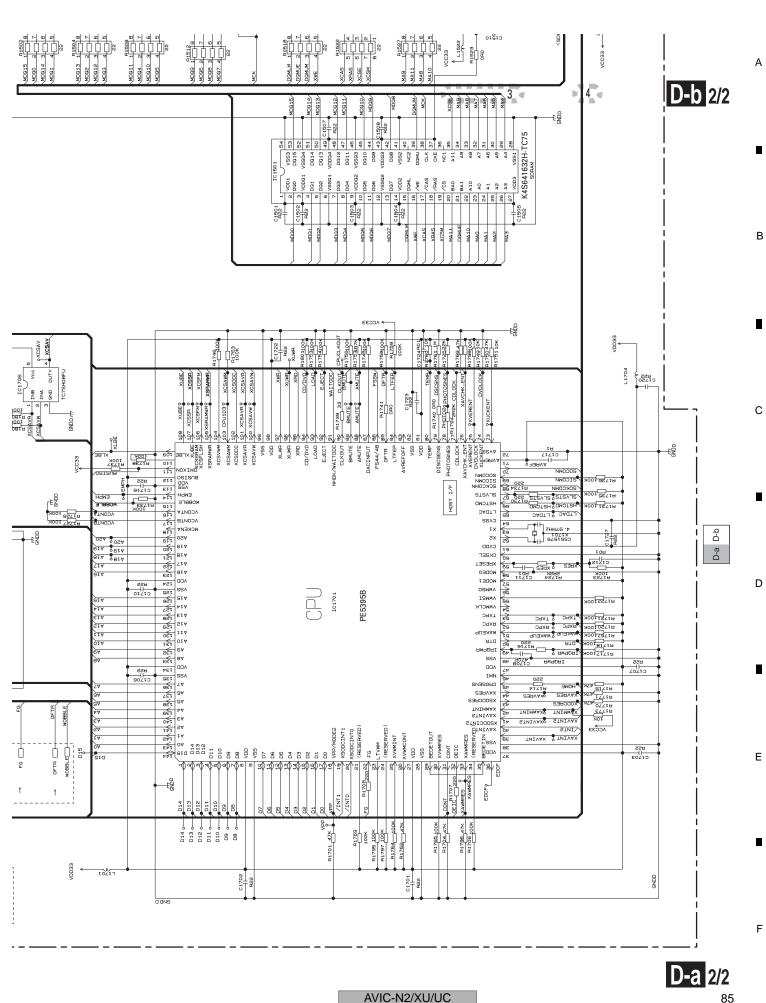
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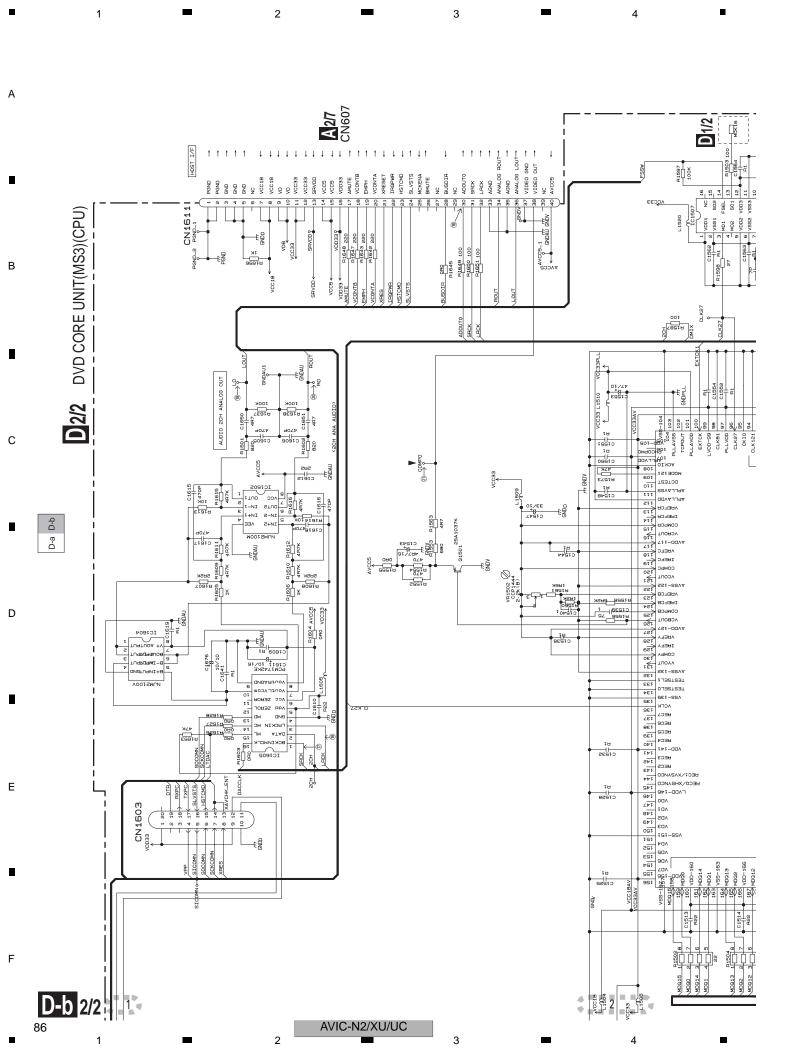
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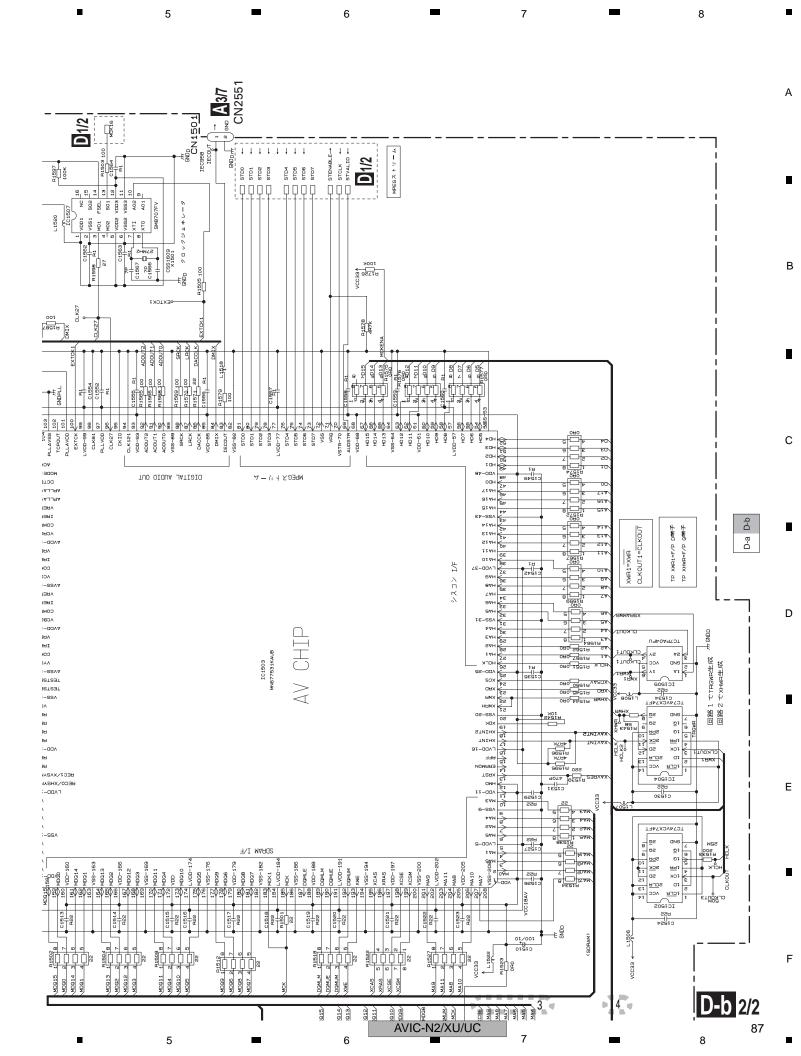
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AVIC-N2/XU/UC





Waveforms

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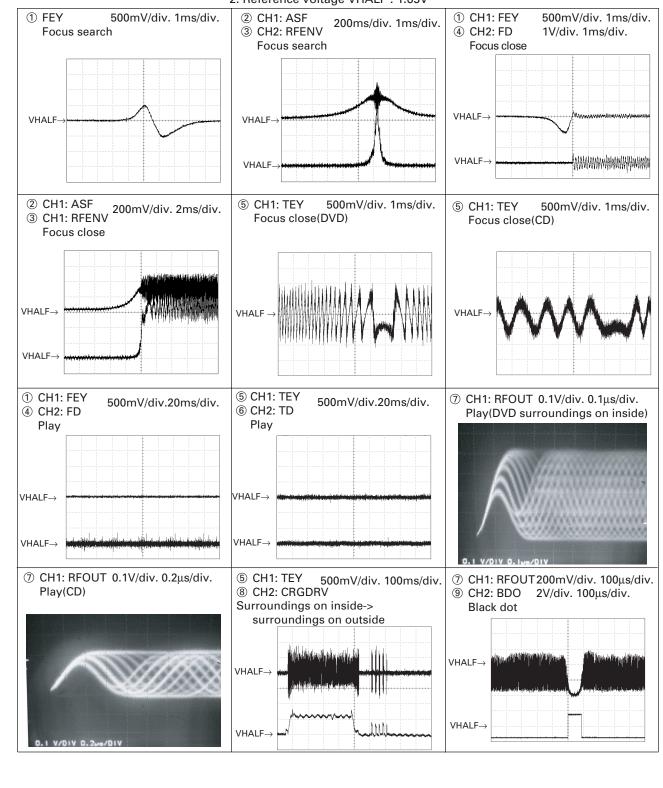
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Note:1. The encircled number denote measuring pointes in the circuit diagram. 2. Reference voltage VHALF: 1.65V



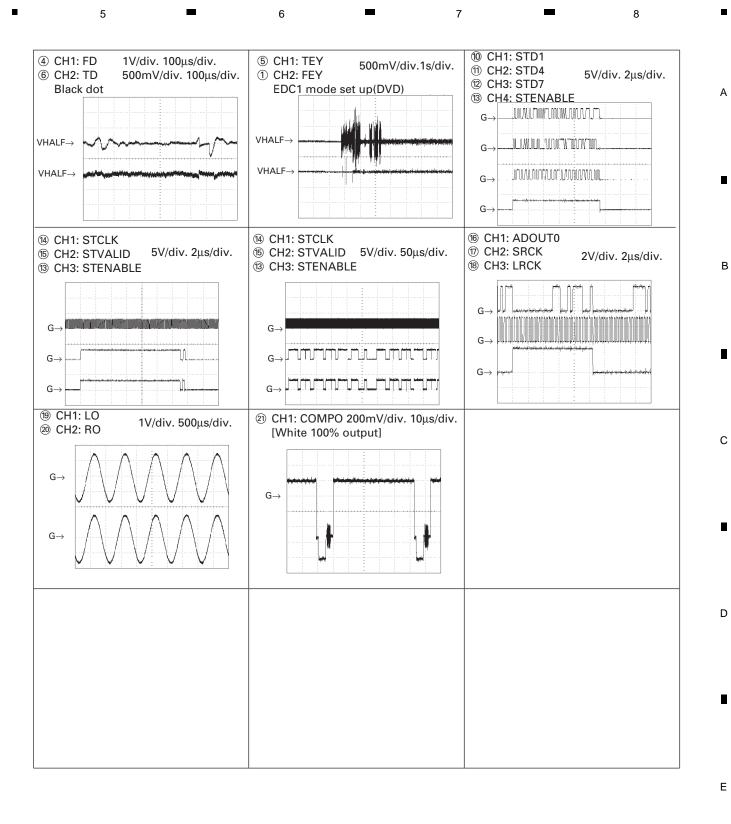
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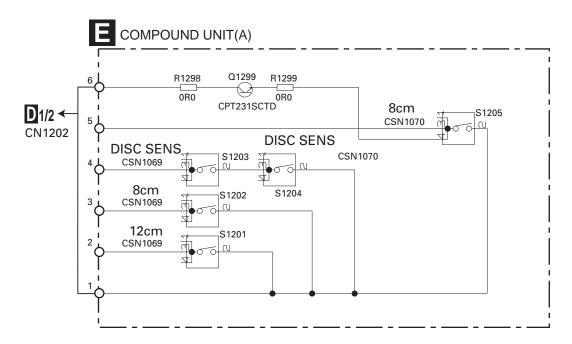
AVIC-N2/XU/UC

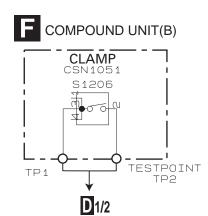
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AVIC-N2/XU/UC

3.14 COMPOUND UNIT(A) AND COMPOUND UNIT(B)







В

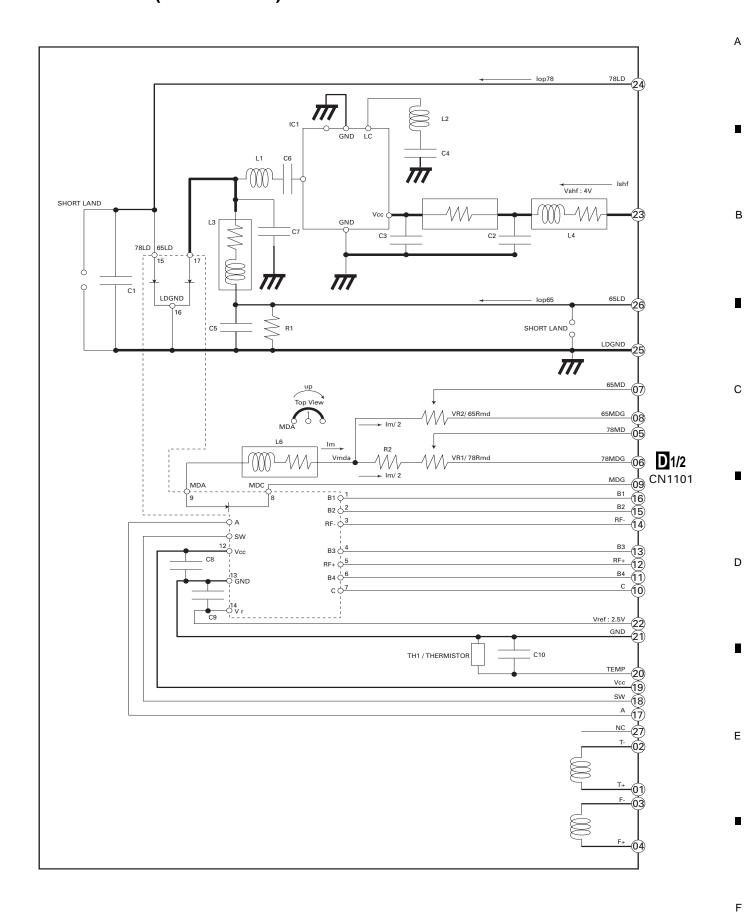
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3.15 PU UNIT(REFERENCE)



AVIC-N2/XU/UC

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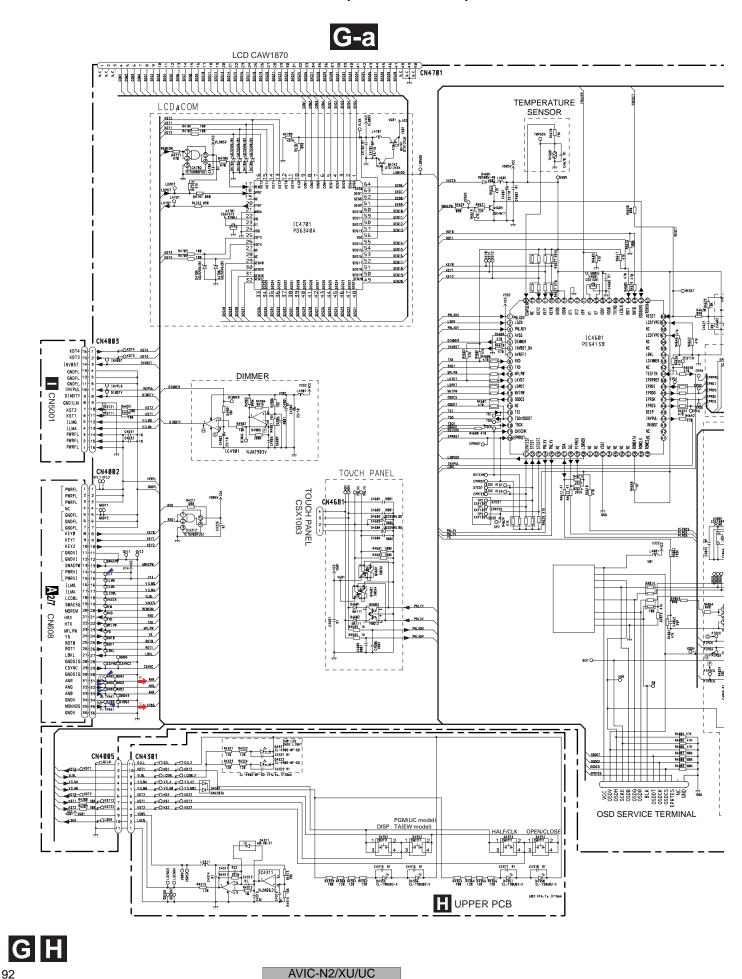
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3.16 MONITOR PCB AND UPPER PCB(GUIDE PAGE)

В

D

Ε



G-b

G MONITOR PCB 2000年3月 ${\tt FILTER}$ POWER SUPPLY RGB_AMP P in P IC 2.5V → V25 3.3V → V33 5.8V → V5 8.8V → V18 -12V → VM12 CN4881

582 — 58 L

582 — 59 S

59 S

59 S

50 VB

50 S

50 BIAS2
BIAS3
BIAS2
BIAS2 A/D8bit A/D8bit 2M DRAM LCD PANEL CWX3056 ¥\$532 ≥ -\$\$\$1.7 II \downarrow \downarrow $\uparrow \downarrow$ Multi OSD Interfac IC4001 TC90A64AF-P VCOM_AMP ö **E TERMINAL** Composite Video Signal MONITOR UNIT Consists of MONITOR PCB UPPER PCB INVERTER PCB RGB Signal

5

Α

В

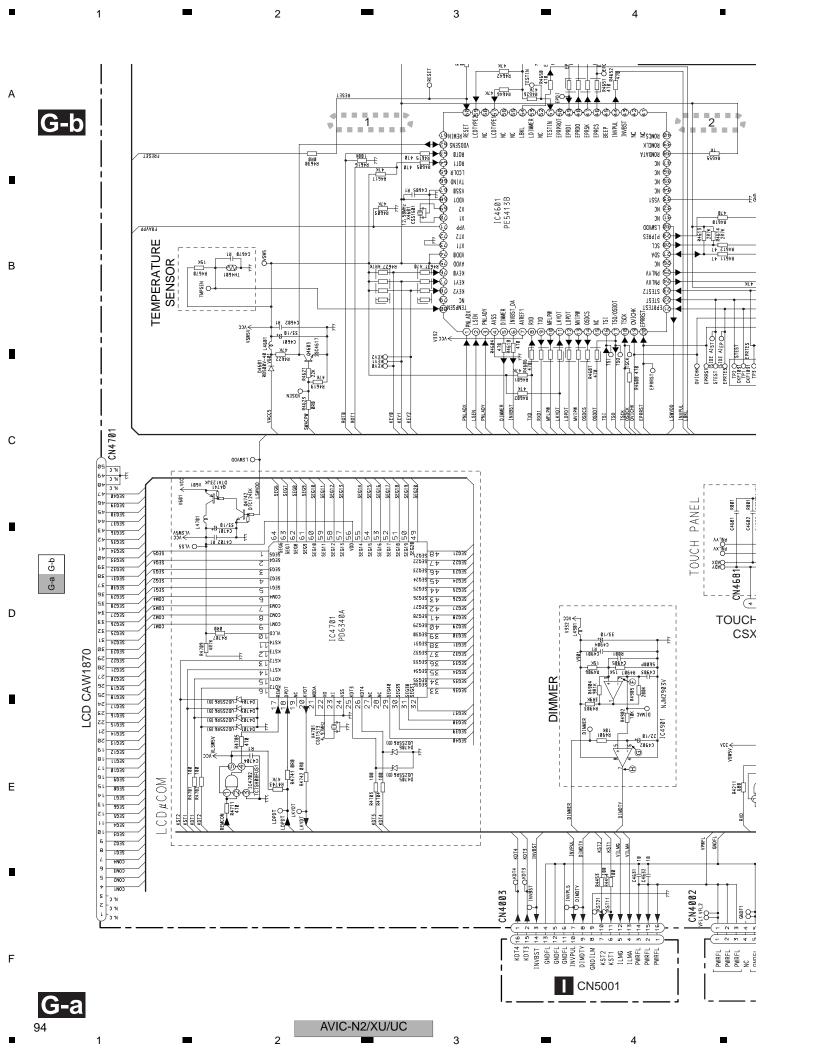
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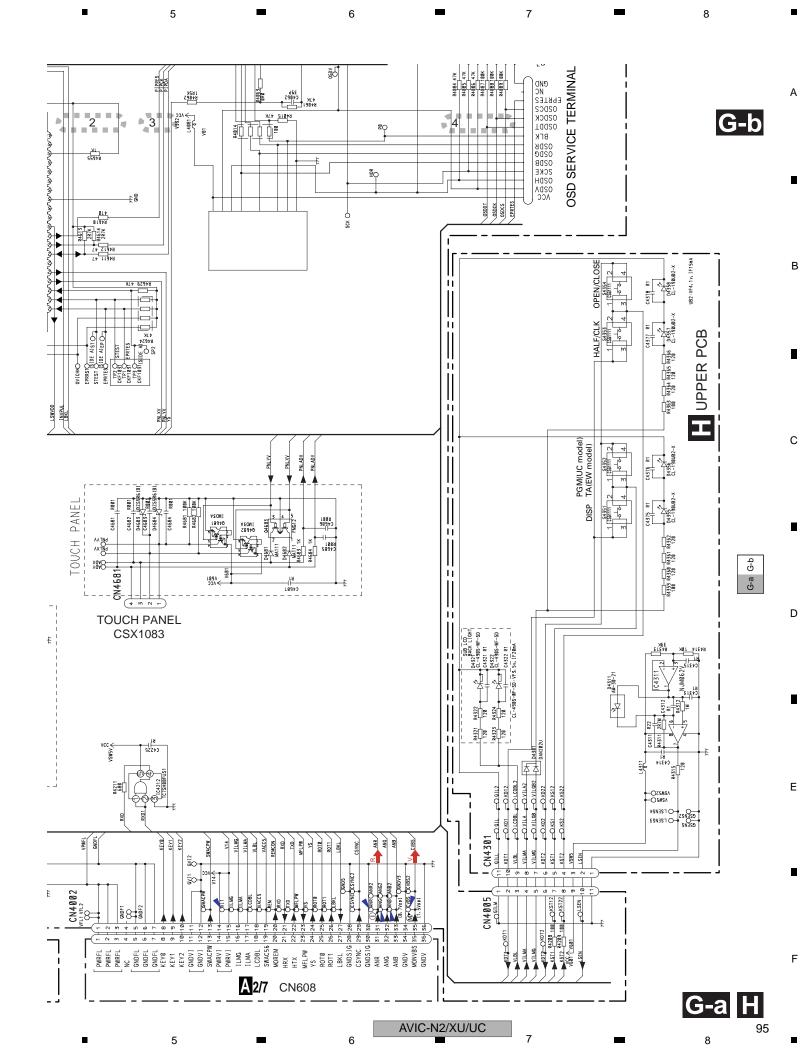
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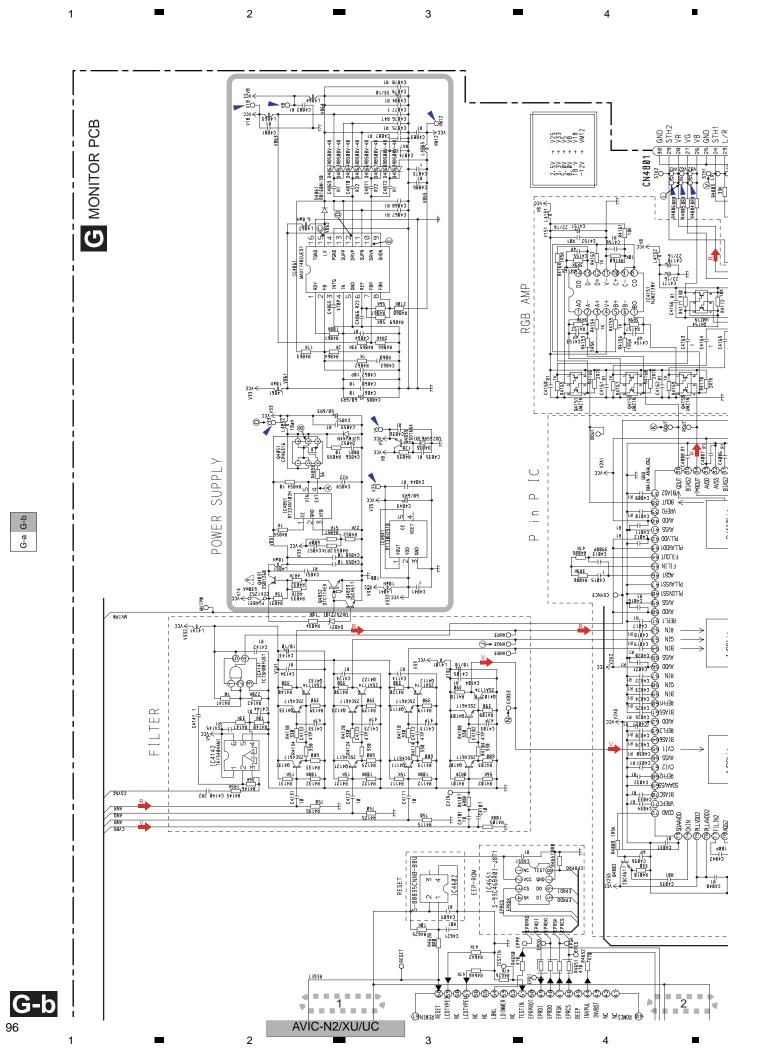
Е

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G







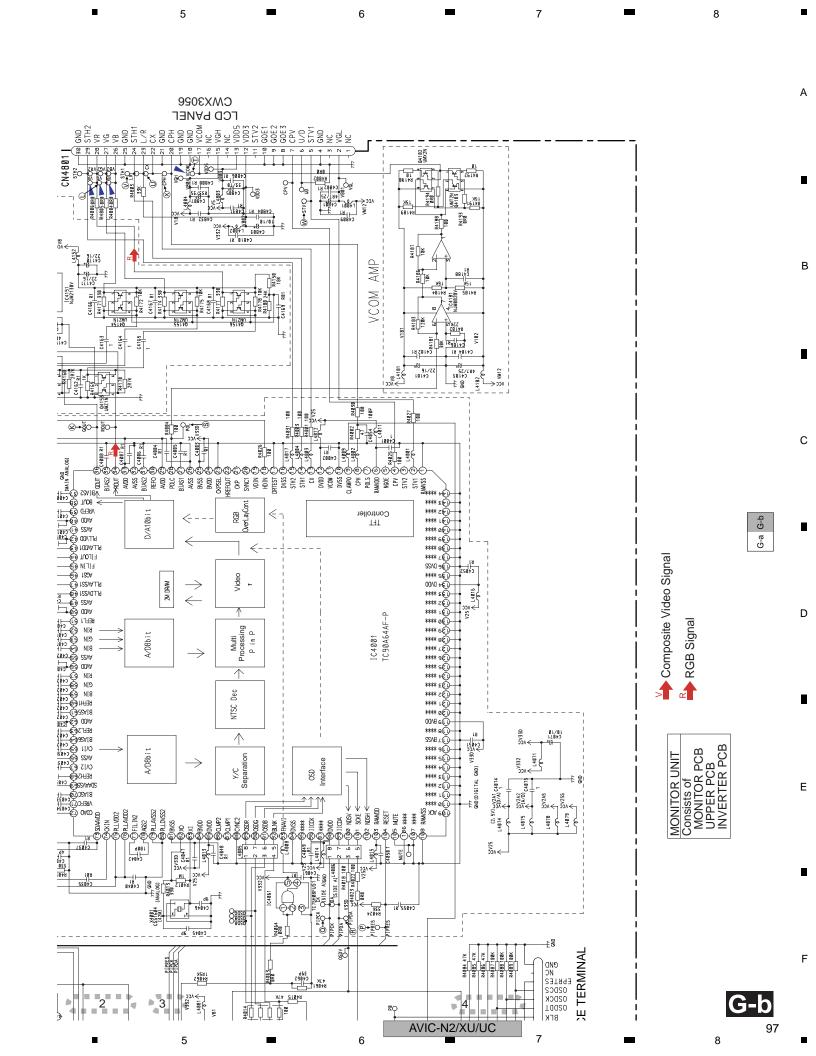
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Waveforms

The encircled number denote measuring pointes in the circuit diagram.

3

Α

В

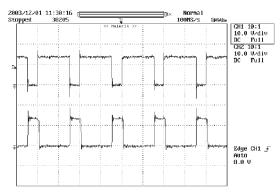
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A CH1:IC4851 Pin 4

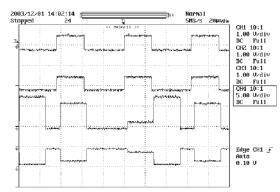
® CH2:Q4851 Pin 5



• INPUT : Color bar signal

① CH1:ANG ① CH2:ANG3 **® CH3:GOUT**

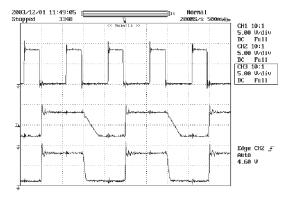
© CH4:VG



© CH1:IC4861 Pin 15

© CH3:IC4861 Pin 10

© CH2:IC4861 Pin 12



• INPUT: 10STEP VTR IN

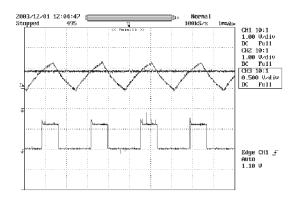
M CH1:CVBS

® CH3:GOUT © CH4:VG

N CH2:CVBS3

CH1 10:1 1.00 U/div DC Full CHZ 10:1 CH2 19:1 1.00 U/div DC Full CH3 19:1 1.00 U/div DC Full CH4 19:1 5.00 U/div DC Full Edge CH1 ƒ Auto 0.10 V

® CH1:IC4901 Pin 2 @ CH2:IC4901 Pin 6 ⊕ CH3:IC4901 Pin 7

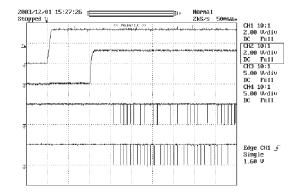


@ CH1:V33

@ CH3:PIPCK

P CH2:PIPRES

® CH4:PIPDA



F

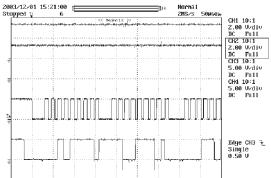
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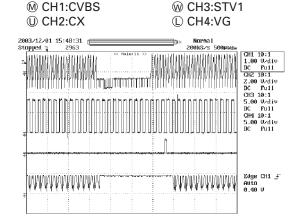
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AVIC-N2/XU/UC

■ 6 **■** 7 **■** 8

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В

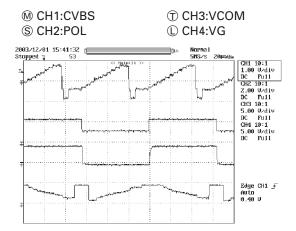
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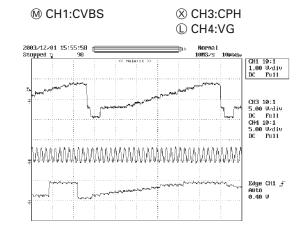
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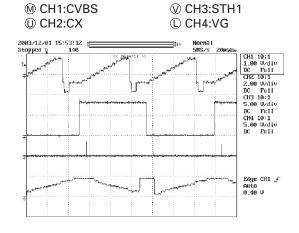
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AVIC-N2/XU/UC 7 8

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Α

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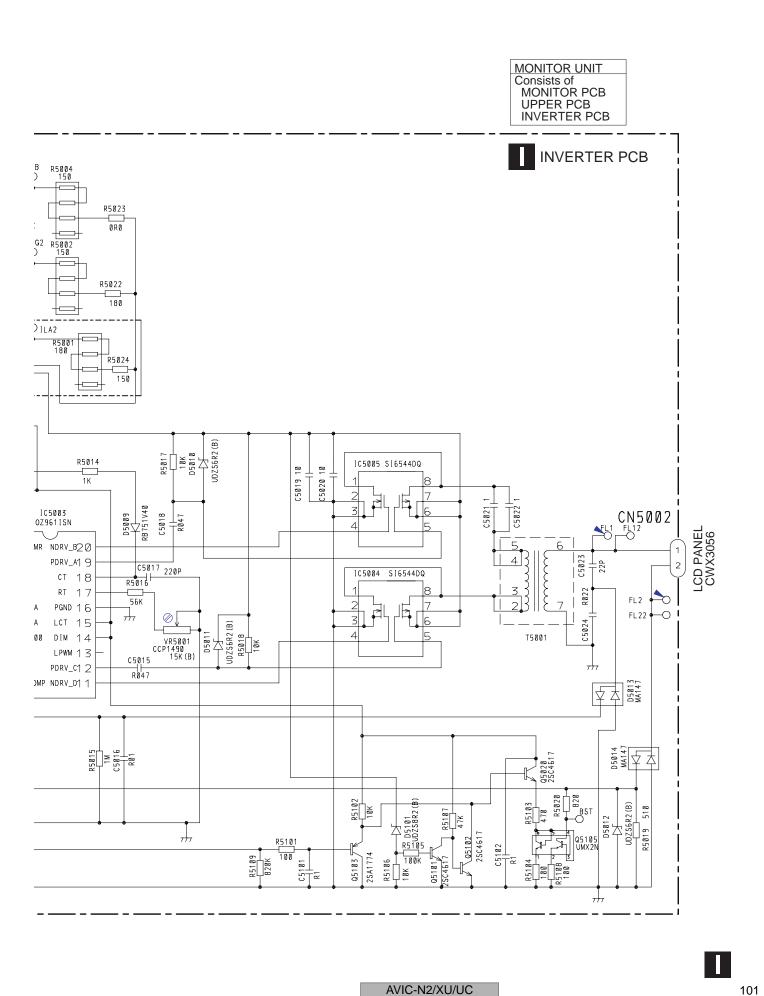
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AVIC-N2/XU/UC



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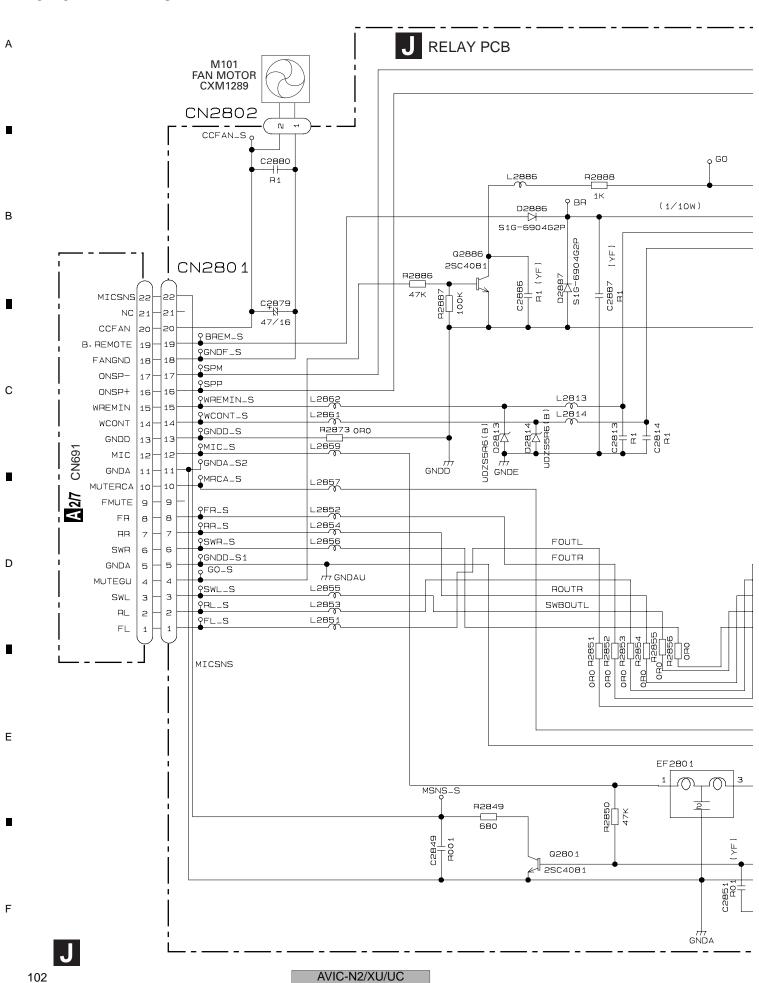
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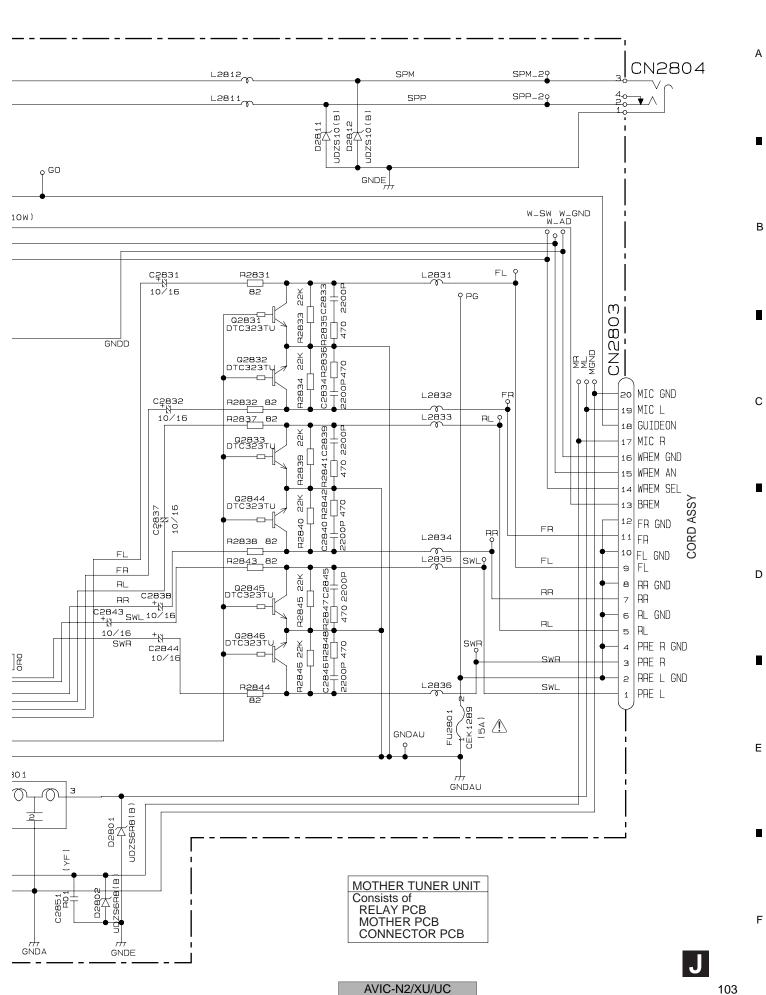
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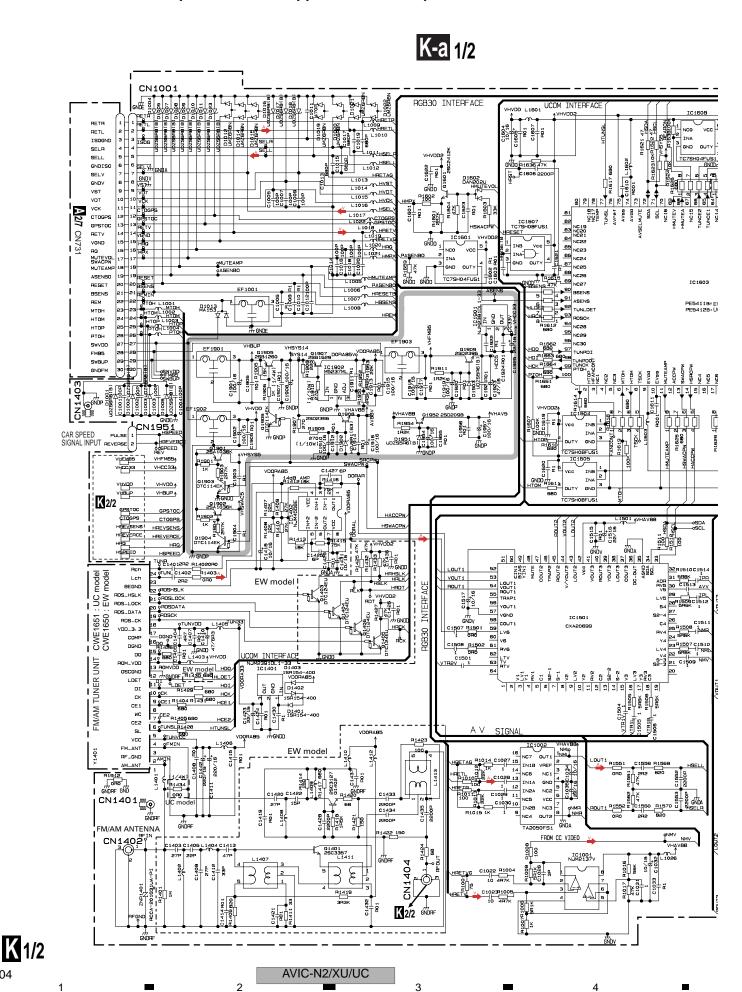
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3.19 MOTHER PCB (H/A SYSTEM)(GUIDE PAGE)



K-b 1/2 1/2 MOTHER PCB (H/A SYSTEM) CN1950 EU1951 TP195 C1950 100/16 C1951 COUNTY OF CALL M102 AN MOTOR CXM1293 IVDD 01102 25A1576R1115 R1113 (1/10w) VHBUP ↑ CN1101 BUSG 3 LG 4 NC INPUT IP-BUS I BUS-GNDD 6 BUSG 7 BUSL B ASENB 9 BUSR IN18 IN1A GND 11 BUSLG ACC VC5 IN2A C1117 R1 PE5411B: EW model PE5412B: UC model INSE L1201 CN1201 VIDEO GND 1 COMP VIDEO ENDV GNDV 52 IP-SEL1 IP-SEL2 LED-V SEL IN1 VSEL IN2 AVONIN R1214 GND R1215 BEEP MUTE BEEP-REMOUT 0R0 R1216 OR0 R1217 NEW AV SENS AV ON BEEP+ 01202 25C2412K EF1701 ᢩᡰ᠊ᡊ᠇ᢩᢙᡰ CN1701 C1572 R1575 100/4 75 REARON R1575 ORO ,IO FU1703 _____ 시민대 등 CEK1286 OREARAG 01551 2SA1576 CN1351 CAMERA Y4 23R1507 C151 LV4 23R1507 C151 V4 22 5R6K 1 NN V4 22 5R6K 1 NN S2-3 21 C1509 NM BACK 1506 1 5R8K 19 oVTR1V GNIV 01581 40 R1581 25A1037K F 820 (1/4W) R1584 22K $+\infty+\infty+$ CN1301 1 ∪∟. VIDE0 AUDIO VCR1 4 GNDY D1581 DAN202U V AUDIO → VHAV88 5 NC2 TRIR B OUT2 NC4 5 5 D1553 Composite Video Signal MOTHER TUNER UNIT
Consists of
RELAY PCB
MOTHER PCB Audio Signal **K** 1/2 CONNECTOR PCB

AVIC-N2/XU/UC

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А

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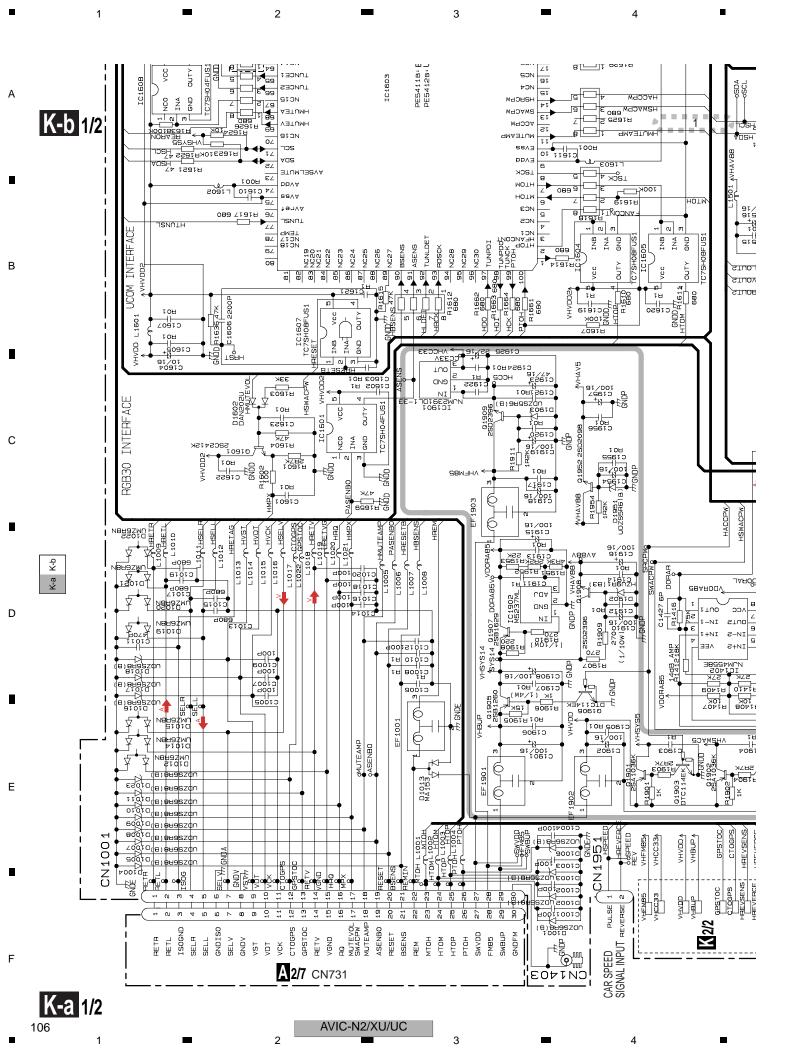
В

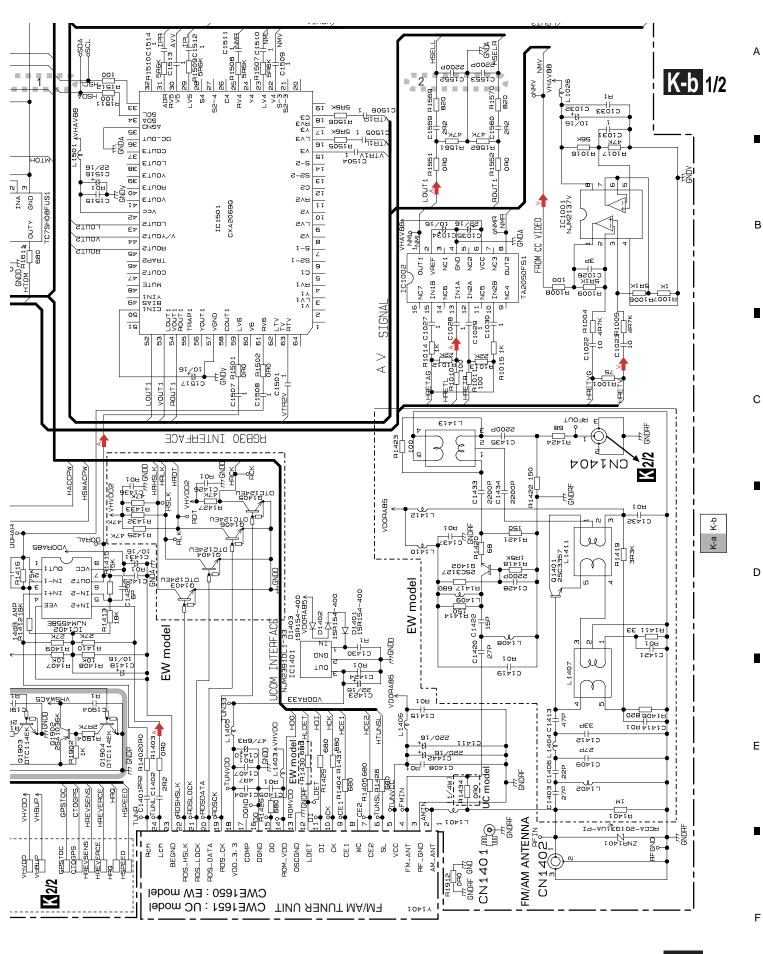
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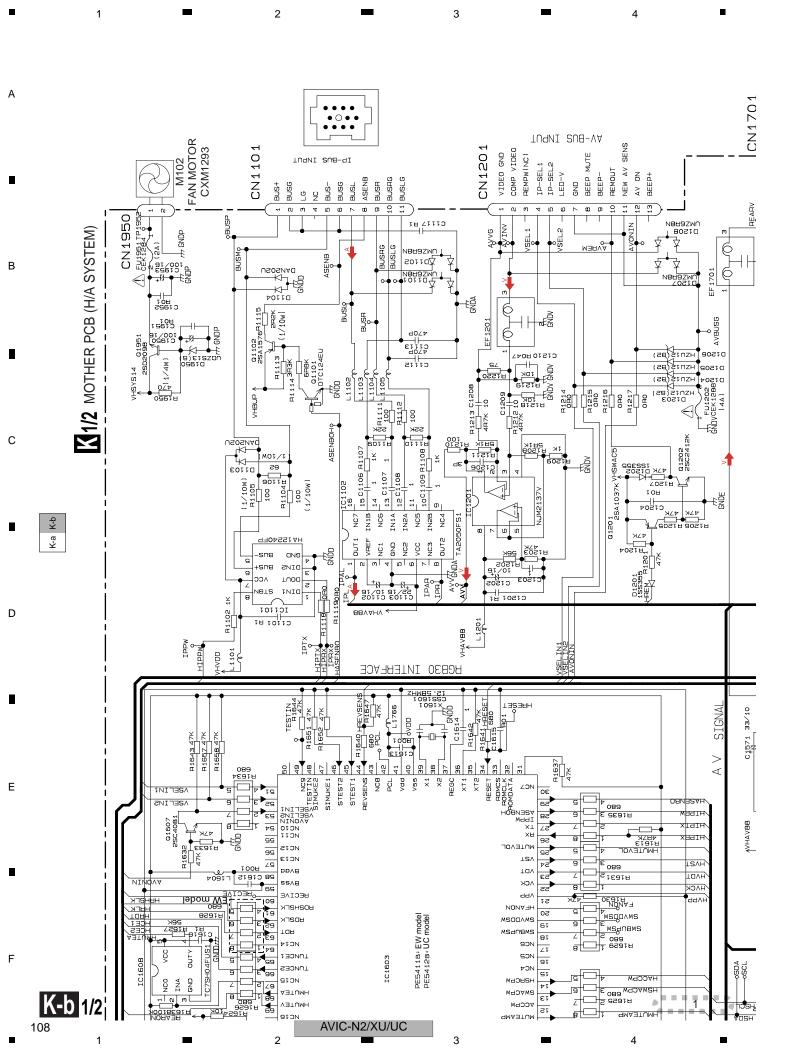
105

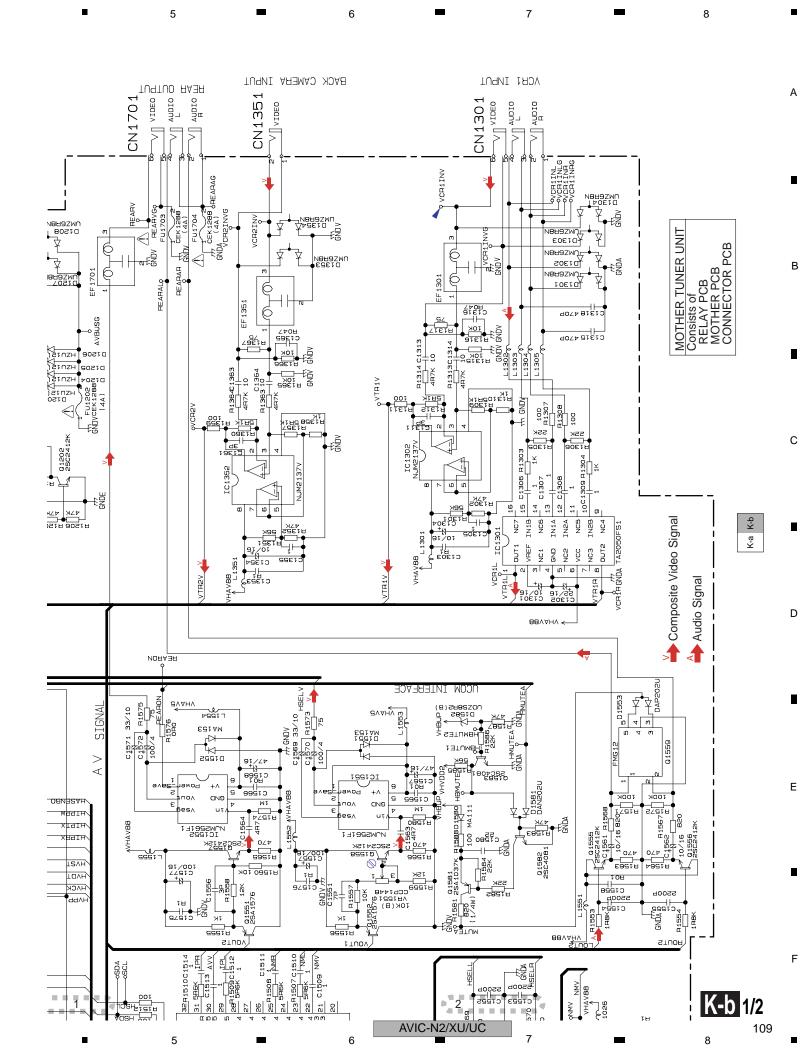




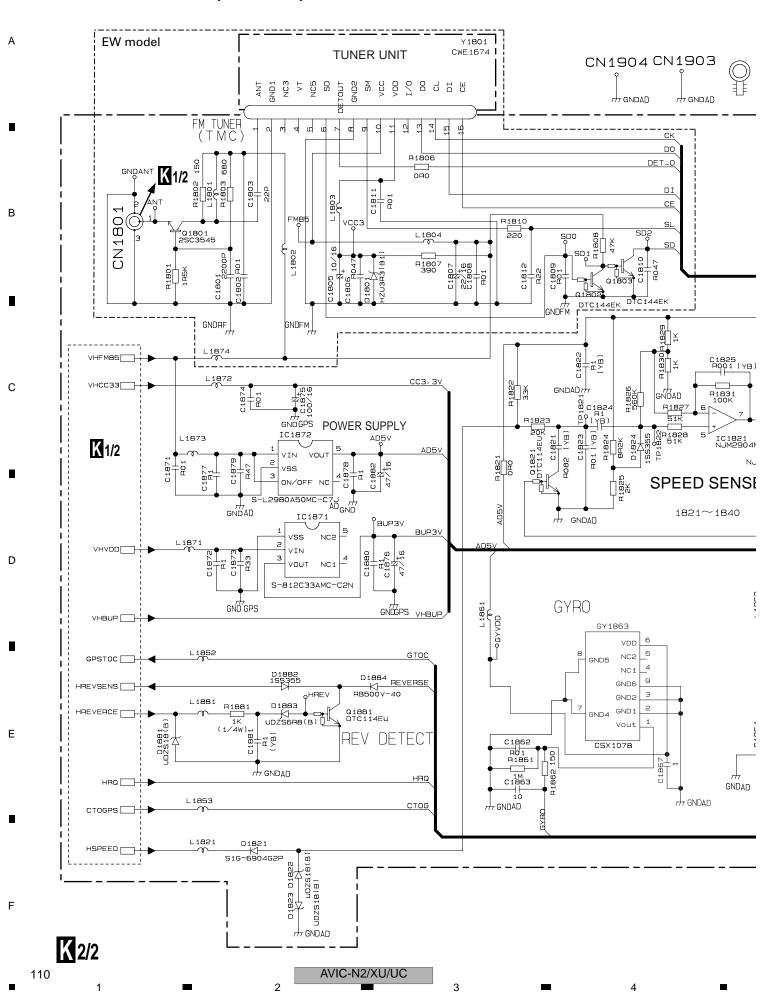
K-a 1/2

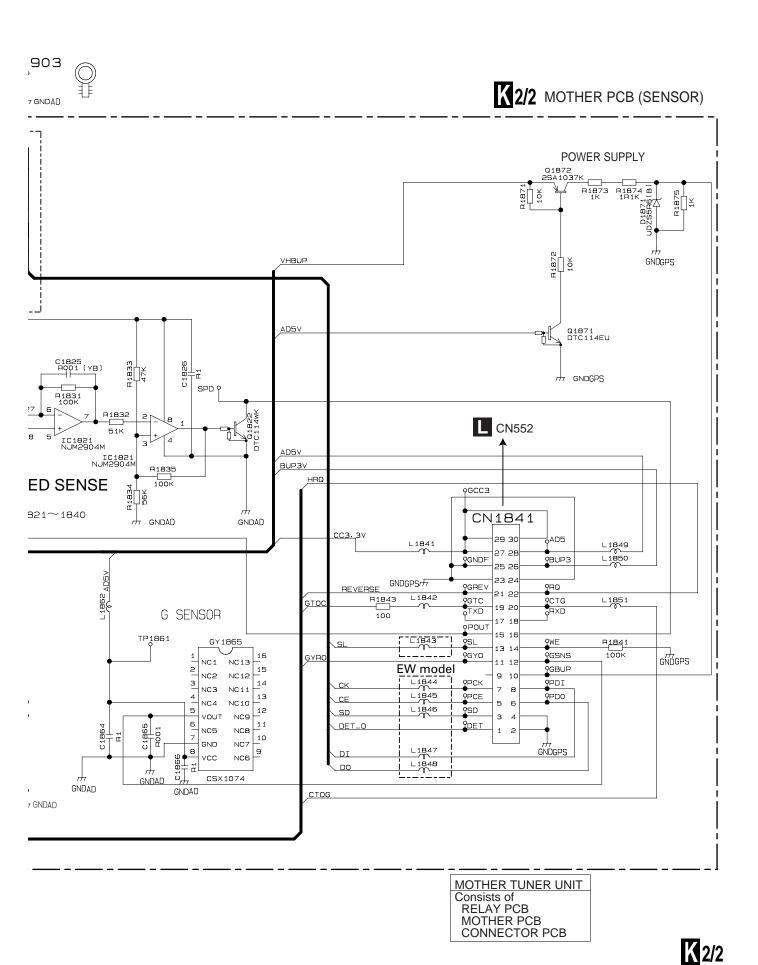
AVIC-N2/XU/UC





3.20 MOTHER PCB (SENSOR)





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AVIC-N2/XU/UC

Α

В

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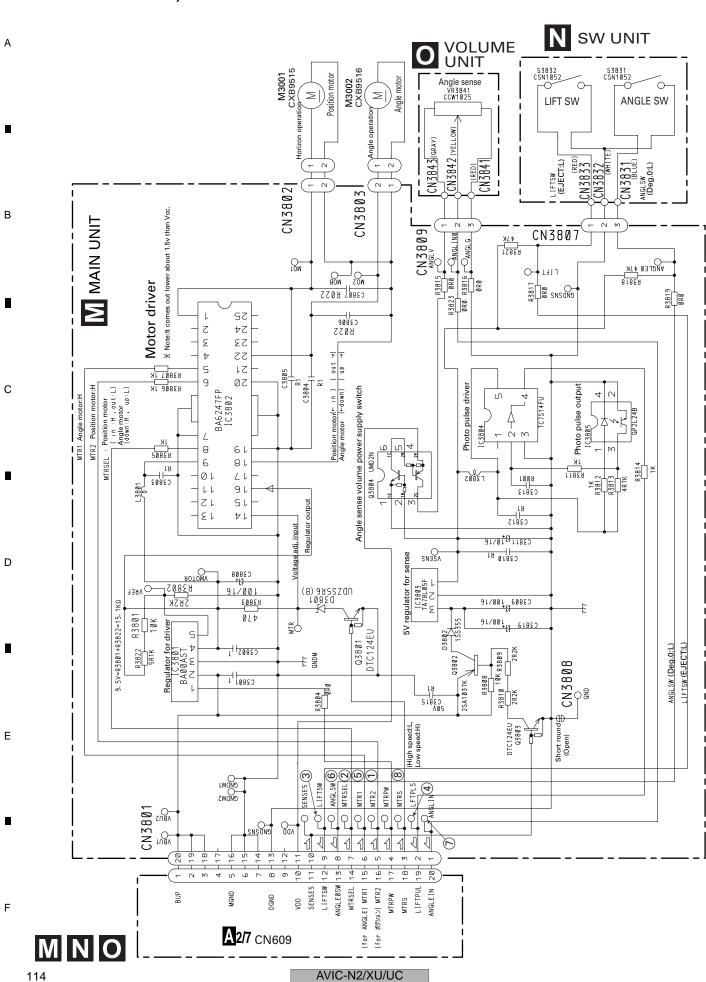
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AVIC-N2/XU/UC

CONNECTOR PCB

5 6 7 8 Α В С D Ε F AVIC-N2/XU/UC 113 5 6 8



Waveforms

The encircled number denote measuring pointes in the circuit diagram.

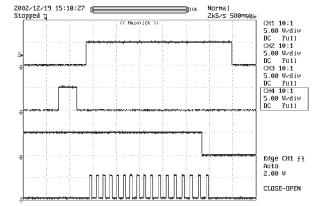
• CLOSE -> OPEN

5

- ① CH1:MTR2
- ② CH2:MTRSEL

6

- ③ CH3:LIFTSW
- **4** CH4:LFTPLS



• MAX -> Deg.0 DOWN

7

- ⑤ CH1:MTR1
- ② CH2:MTRSEL

8

Α

В

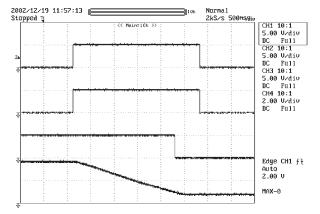
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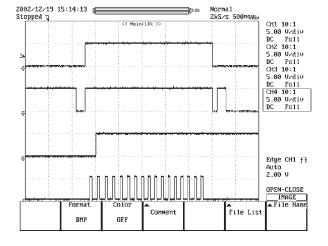
F

- **6 CH3:ANGLSW**
- ⑦ CH4:ANGLIN



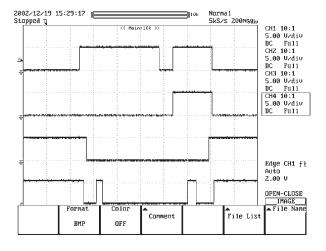
• OPEN -> CLOSE

- ① CH1:MTR2
- ② CH2:MTRSEL
- ③ CH3:LIFTSW
- 4 CH4:LFTPLS



• Set back open -> Set

- ① CH1:MTR2
- ③ CH3:LIFTSW
- ® CH2:MTRS
- 4 CH4:LFTPLS

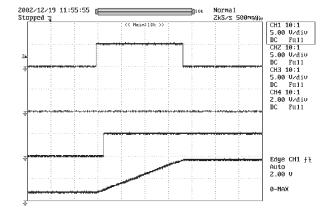


• 0->MAX

- ⑤ CH1:MTR1
- ② CH2:MTRSEL
- **© CH3:ANGLSW**

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7 CH4:ANGLIN



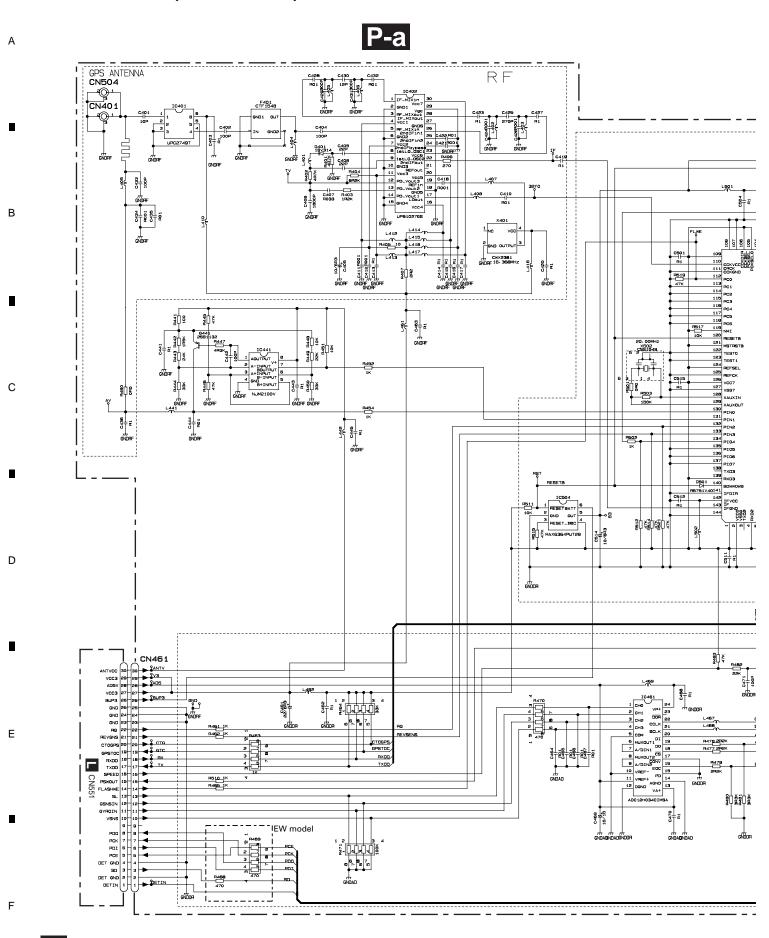
AVIC-N2/XU/UC

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115

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P

AVIC-N2/XU/UC

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P-b

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P GPS UNIT 32.768MHz 10.700 10. <u>8</u> D[14] D[6] 119 CC6000 | 119 PC0 | 119 PC0 | 119 PC0 | 119 PC0 | 110 A[3] A[4] A[5] A[6] A[7] A[8] D[9] D[1] D[8] D[0] DRAGON šę C516 P1 A[B] PD6472A : EW model PD6473A : UC model GNDD A[10]
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BC A[4] A[3] A[2] A[1] 9 002 9 003 10 004 11 VCC1 12 SND1 13 SND5 14 DQ6 15 DQ7 16 DQ8 17 VE 18 A16 19 A16 20 A14 21 A13 A12 D[1] 0[3] D[12 40 (1998) D[4] D[5] D[6] D[7] A[17] A[16] A[15] A[14] äΤä 487X:X1/EW **\$** RXDD RXDD GPSTOC CTOGPS P513 10K EW model 일 및 집 E P P R R EW model PB33 3R3K:X1/EW 10K:N1/UC 7534 10K 口口 RDS DECODER | TCD32 | 3638 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | 3627 | R536 OR0 DSTE evide T DDO BCLOCK 對葉對葉 GNOOR

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AVIC-N2/XU/UC

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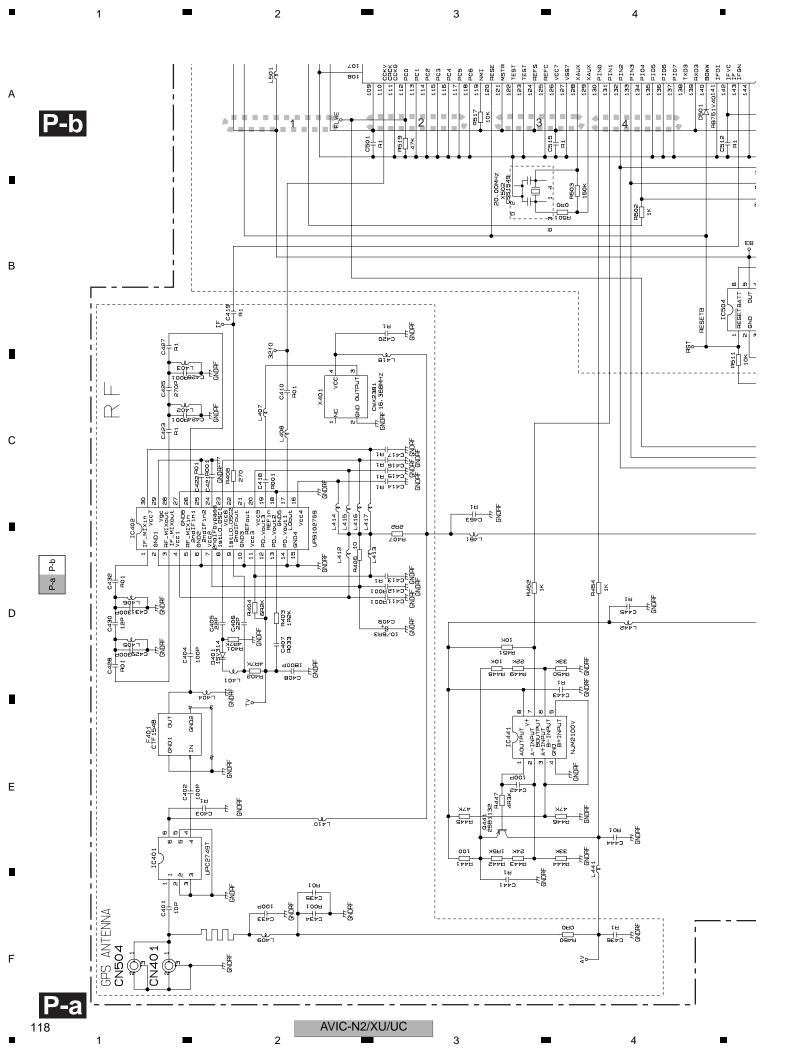
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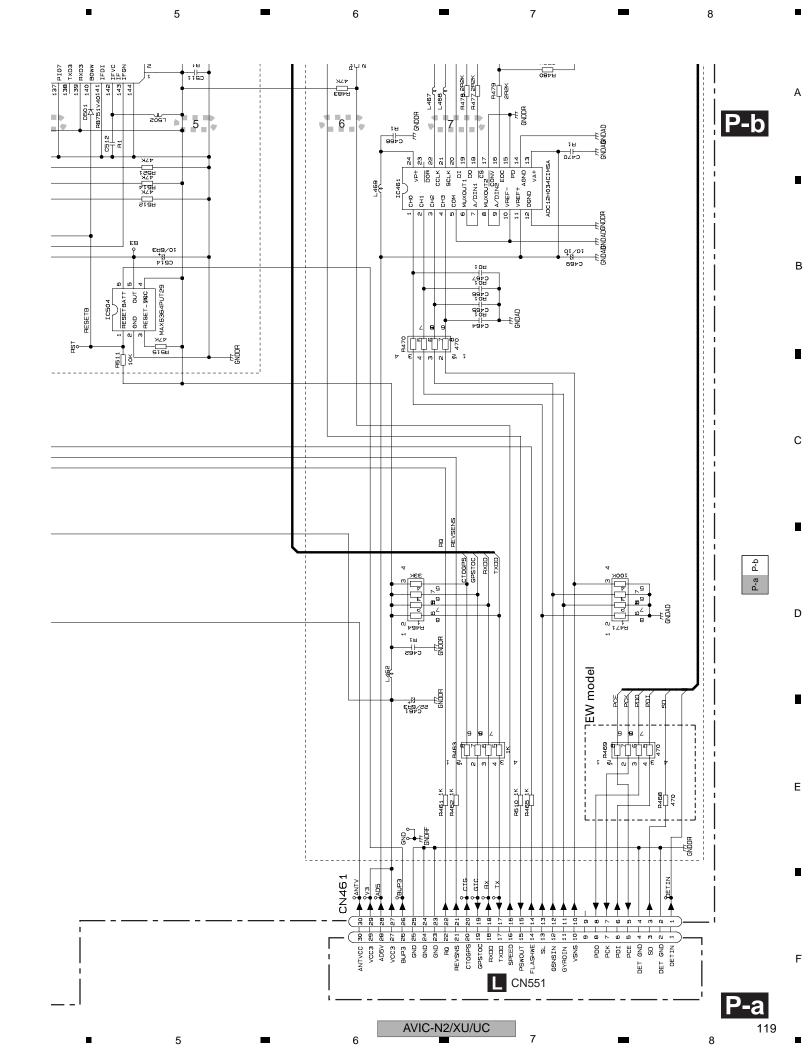
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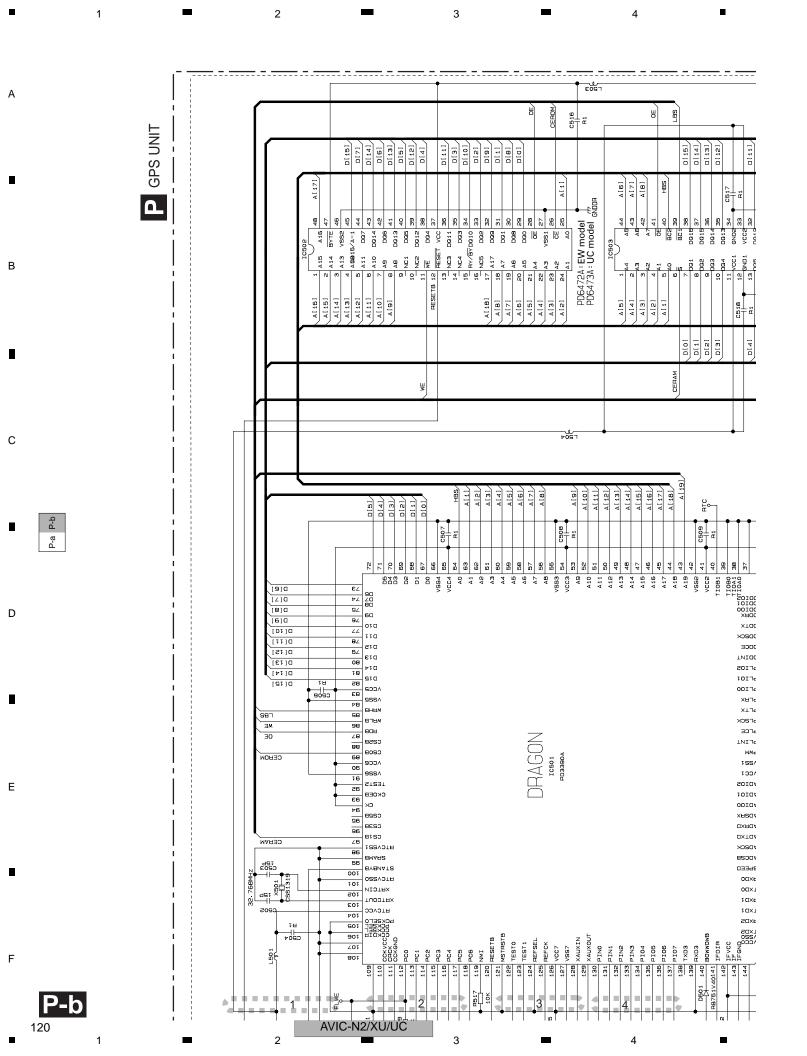
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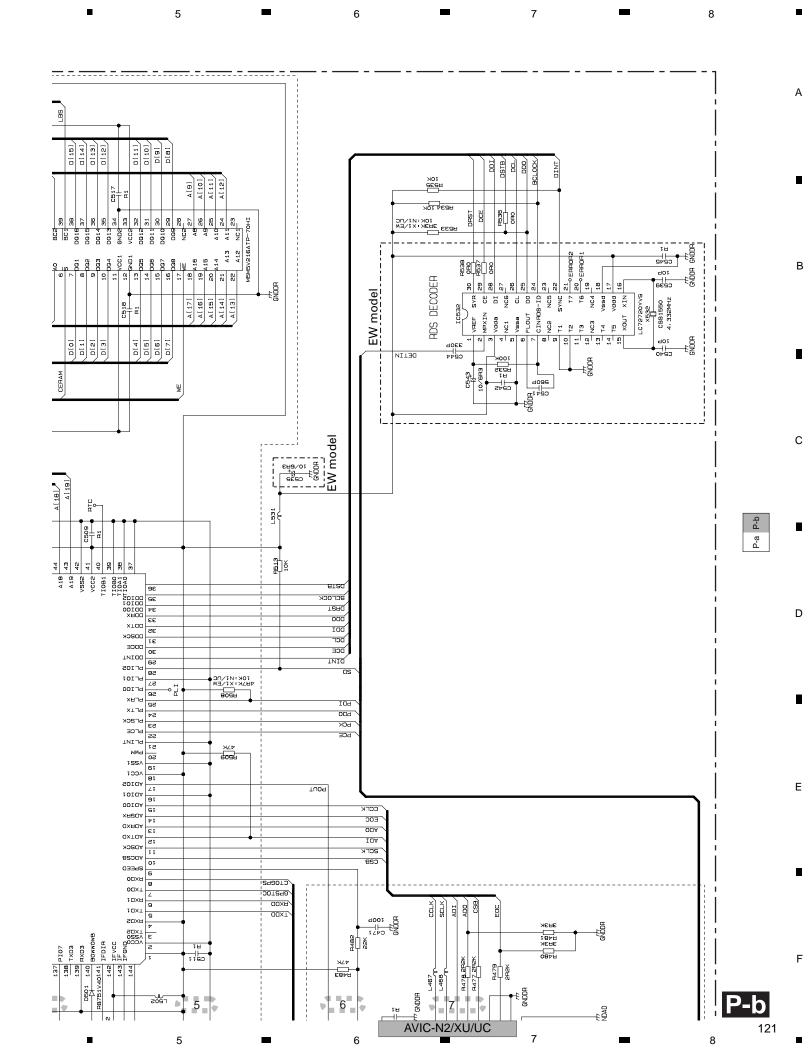
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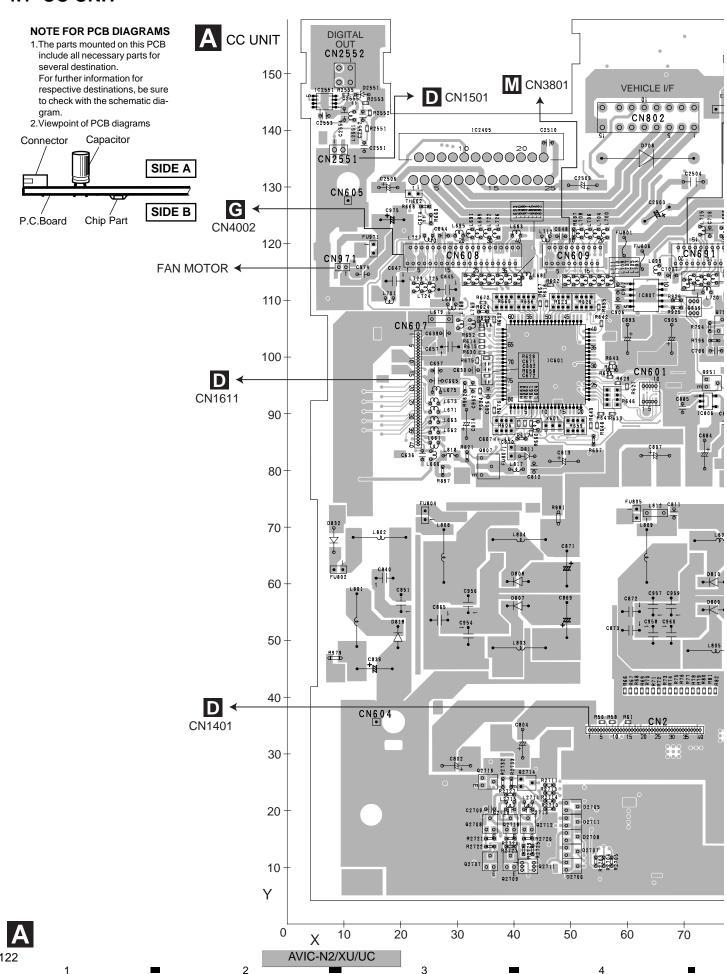


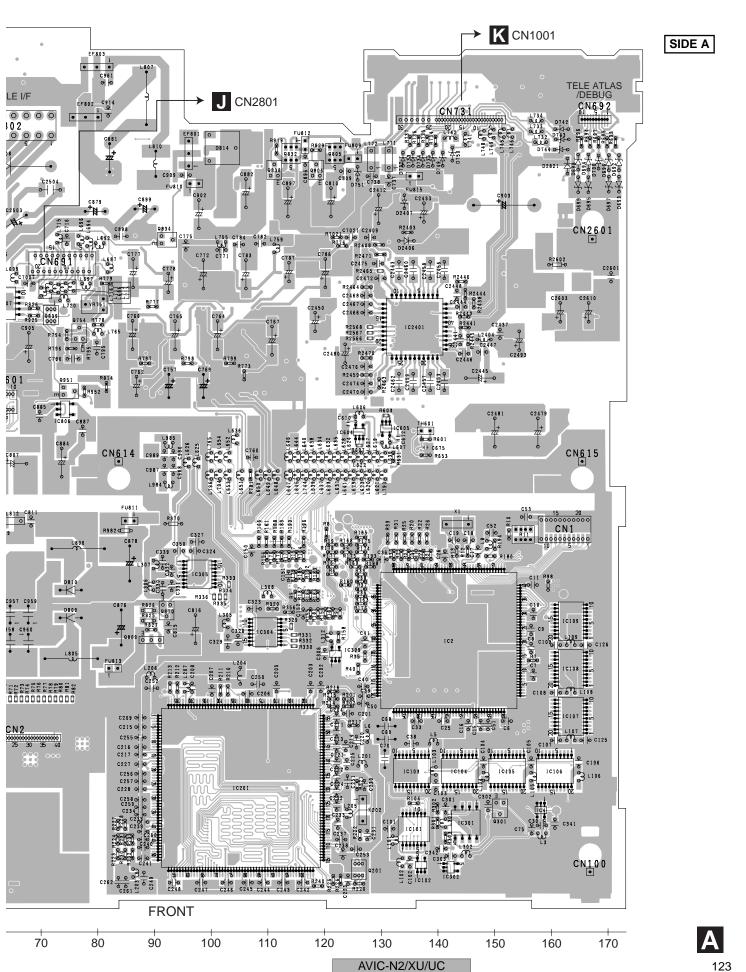




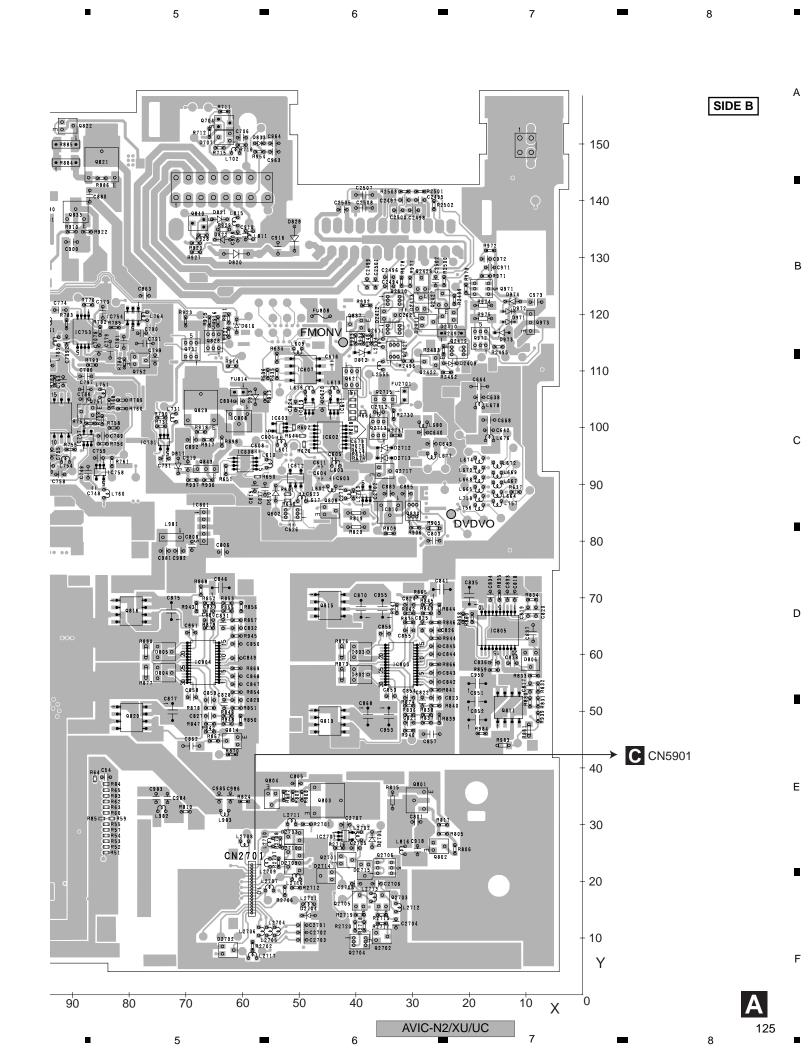
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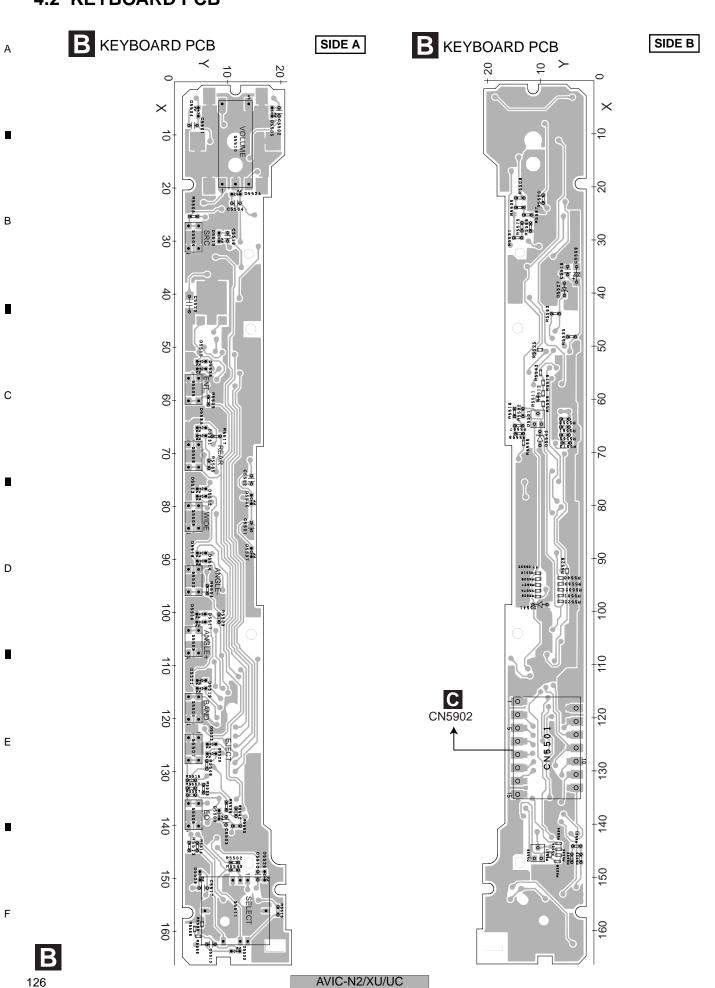




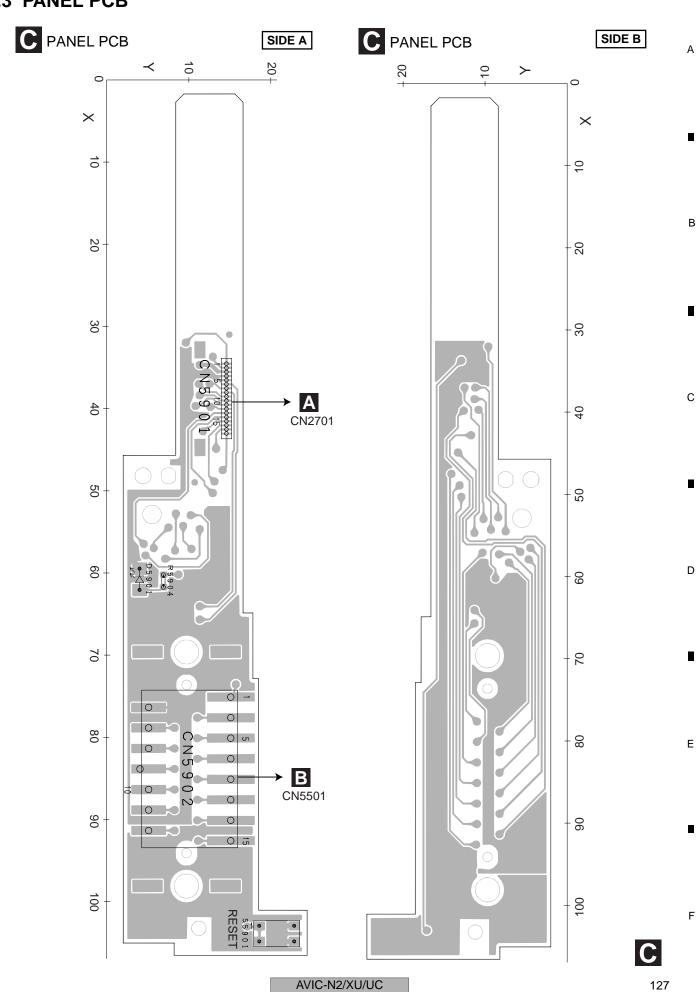
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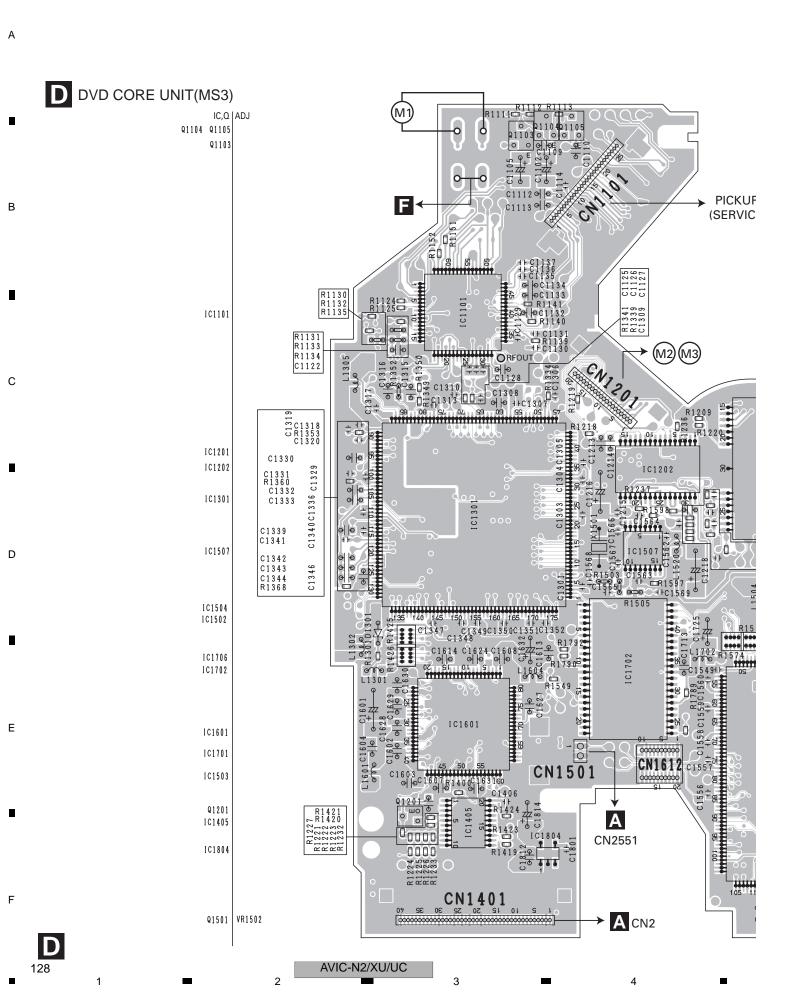
4.2 KEYBOARD PCB



4.3 PANEL PCB



4.4 DVD CORE UNIT(MS3)



SIDE A PICKUP UNIT (SERVICE)(DP5) МЗ С C12128 R1202 R 1201 R1203 R 1200 R1200 R1200 R1200 R1200 R1209 98 11, 1R1220 C1207 C1206 C1205 R1757 R1758 R1759 R1760 C1724 R1740 R1725 R1794 C1723 R1755 #o÷000 D CN1603 C1728 1559 000 R1574 R1567 R1564 SZ 0Z 1529C1527C1526Z
R1574 R1567 R1564 SZ 0Z 1529C1527C1526Z C1721 C0 8 H R1803 Ε IC1701 IC1503 20 25 30 35 **→ A** CN607 AVIC-N2/XU/UC 5 6 8

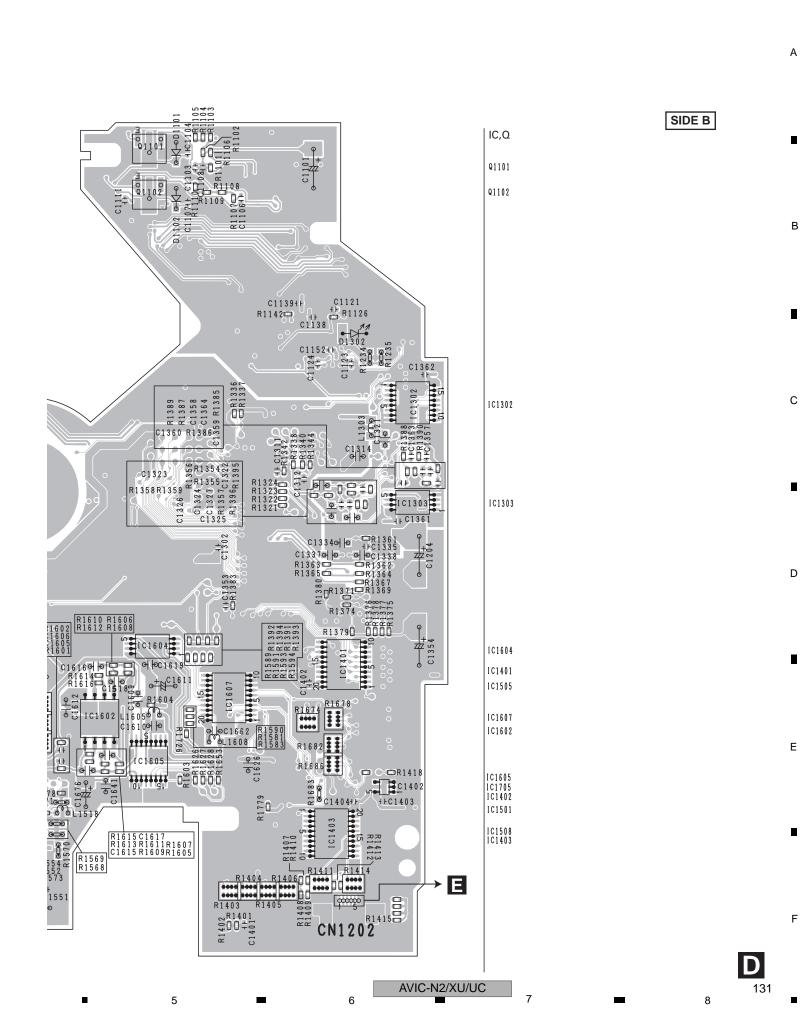
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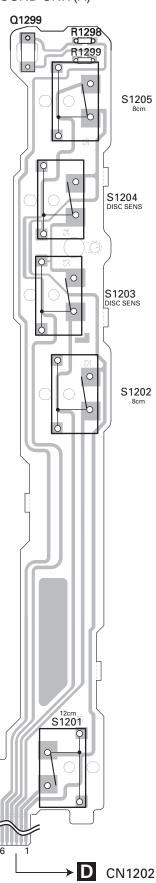
D DVD CORE UNIT(MS3) В D R1716 C1703R1767R1734R1735 R1717 R1722R1731 Е IC1705 R1508 R1658 0 C1658 0 R1648 R1688 R1 + C1553 AVIC-N2/XU/UC 2

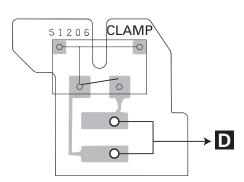


4.5 COMPOUND UNIT(A) AND COMPOUND UNIT(B)









AVIC-N2/XU/UC

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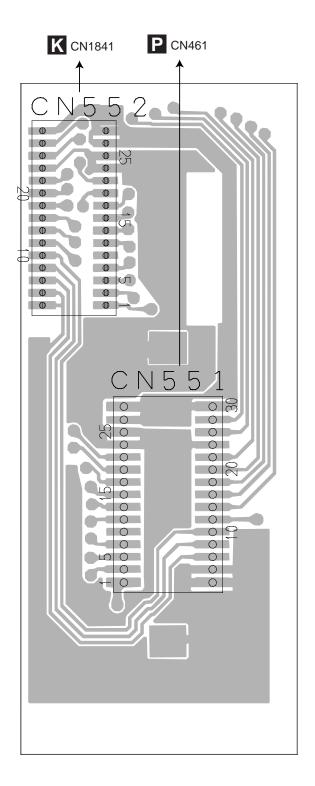
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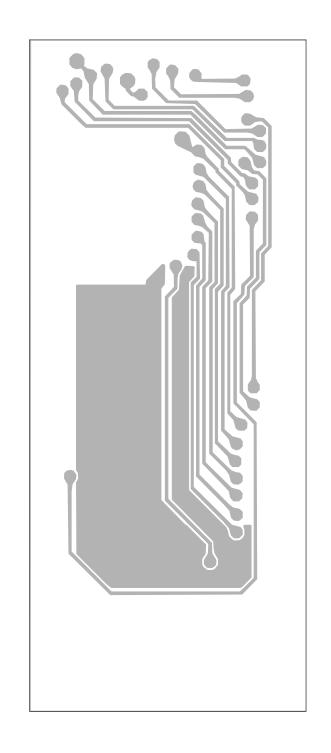
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4.6 CONNECTOR PCB

CONNECTOR PCB SIDE A CONNECTOR PCB





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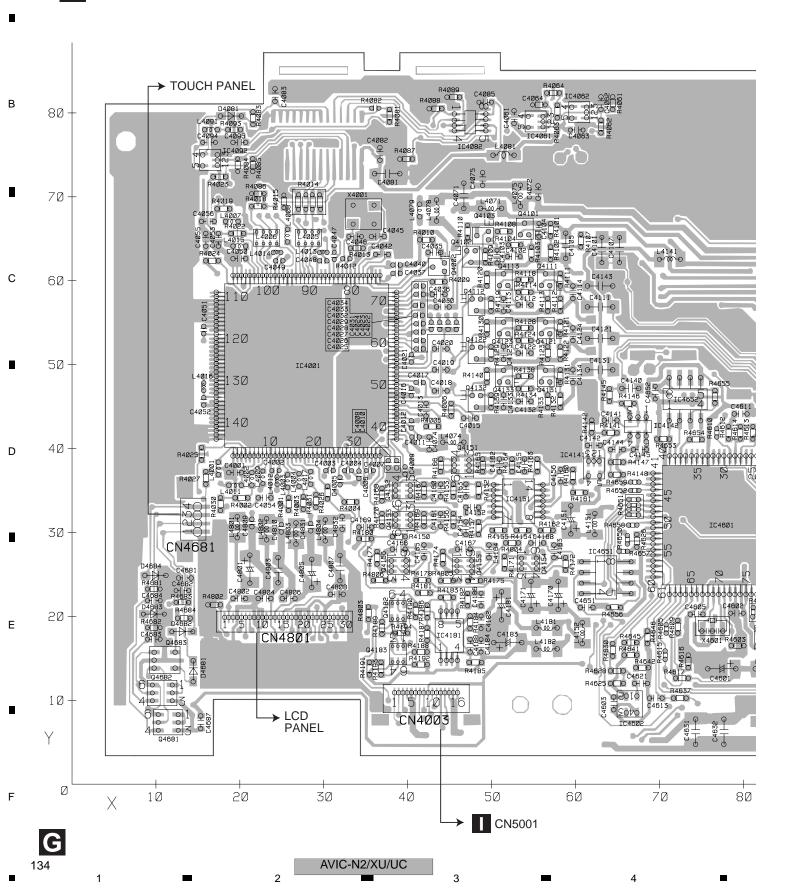
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4.7 MONITOR PCB

G MONITOR PCB



SIDE A → LCD **H** CN4301 TH46Ø1 S OLD IC4701 844 890 87 S S S CN47Ø1 C486Ø C485Ø C485Ø € FU4831 130 110 120 140 80 90 100 150 **→ A** CN608 G AVIC-N2/XU/UC

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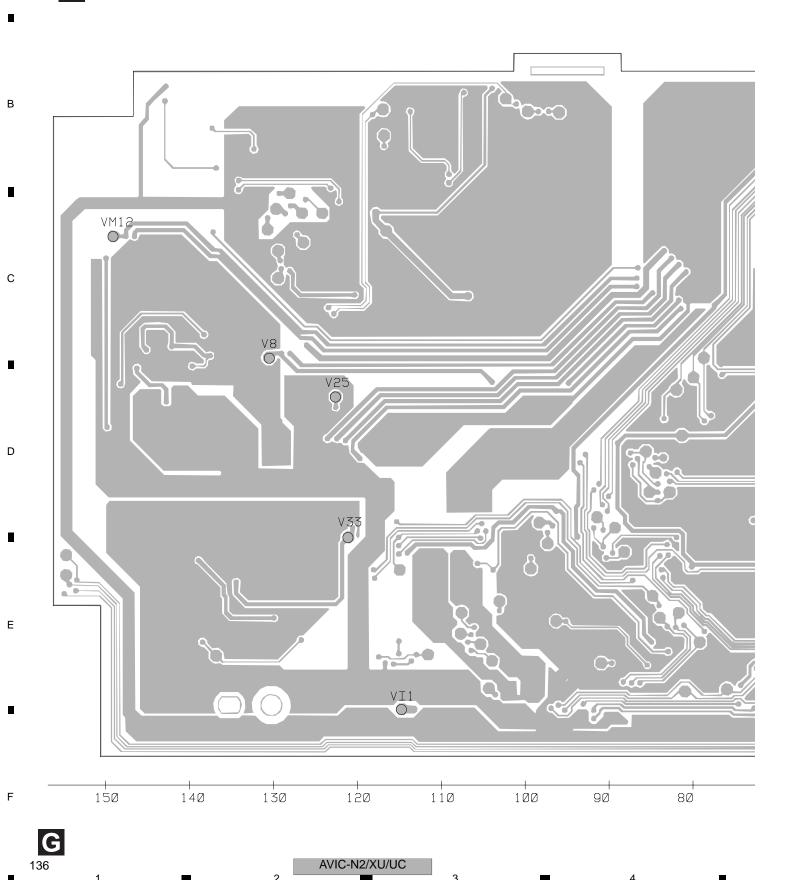
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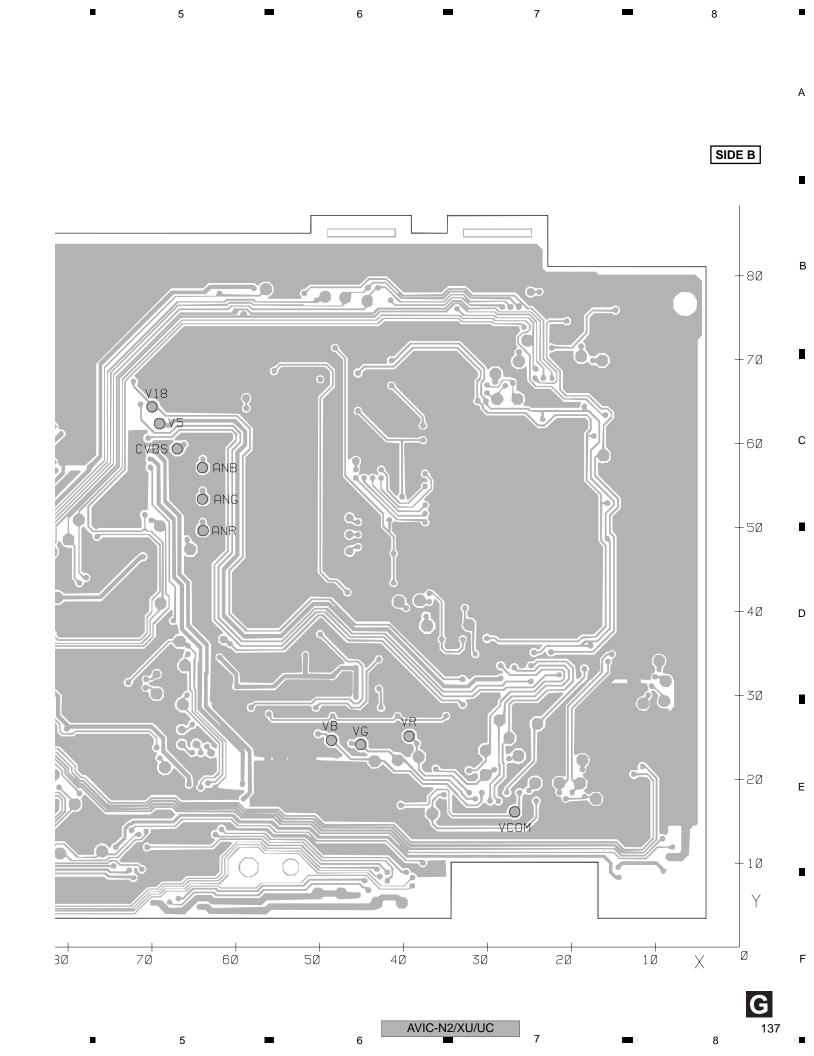
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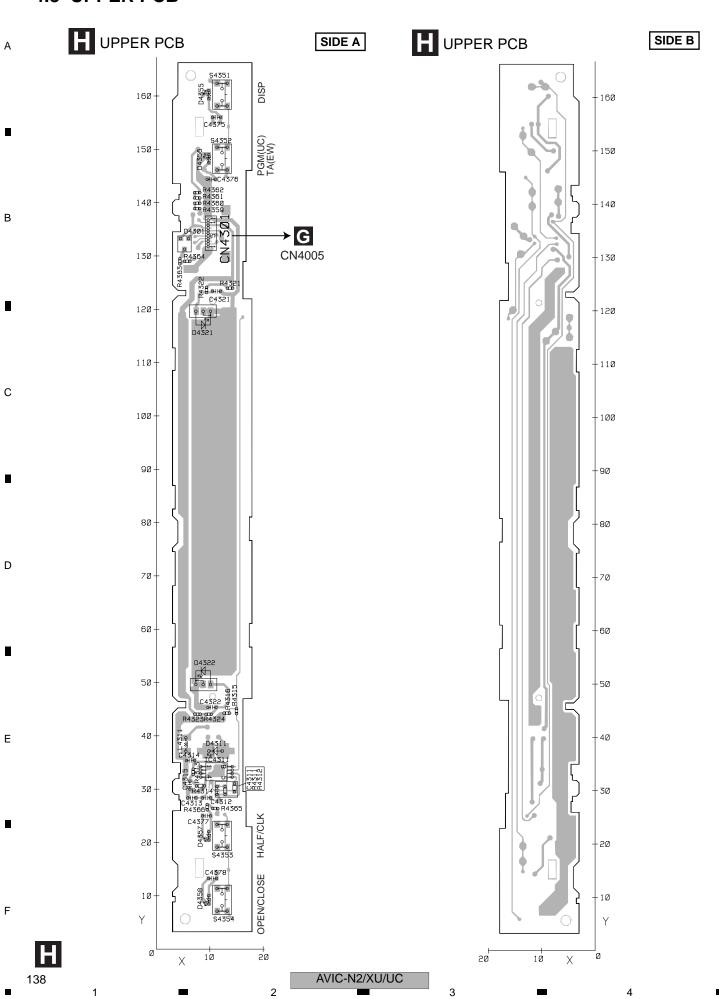
G MONITOR PCB

Α

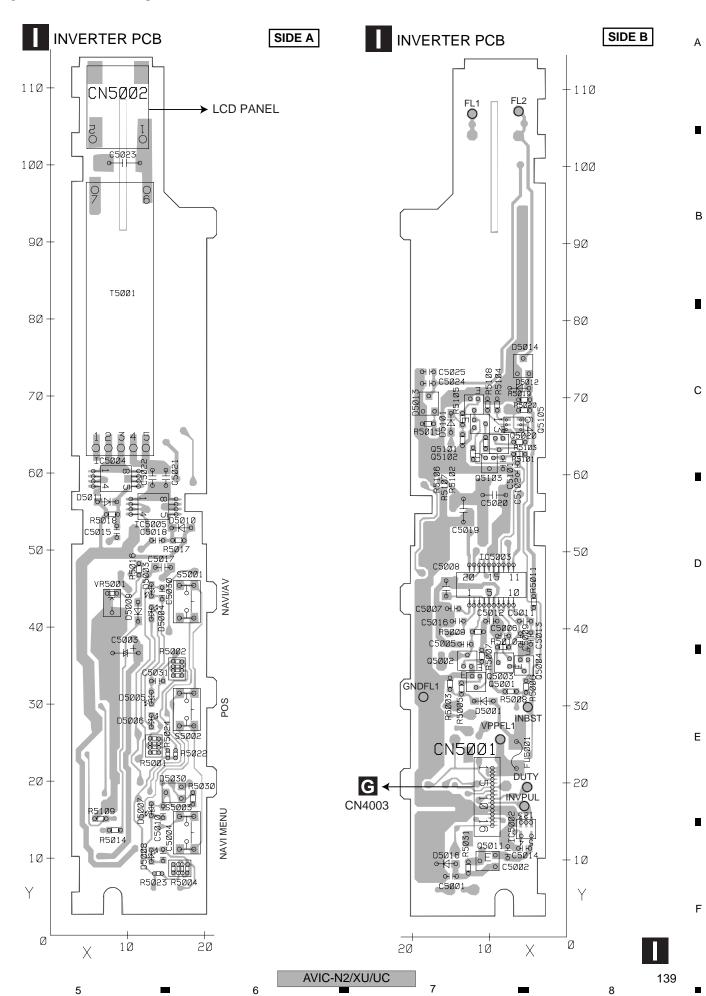
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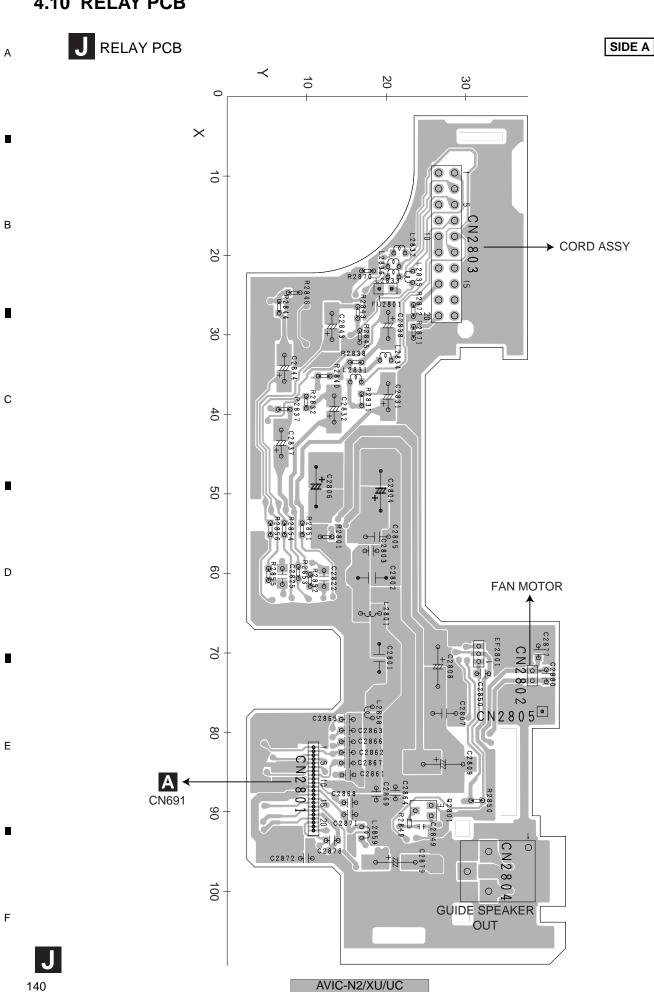


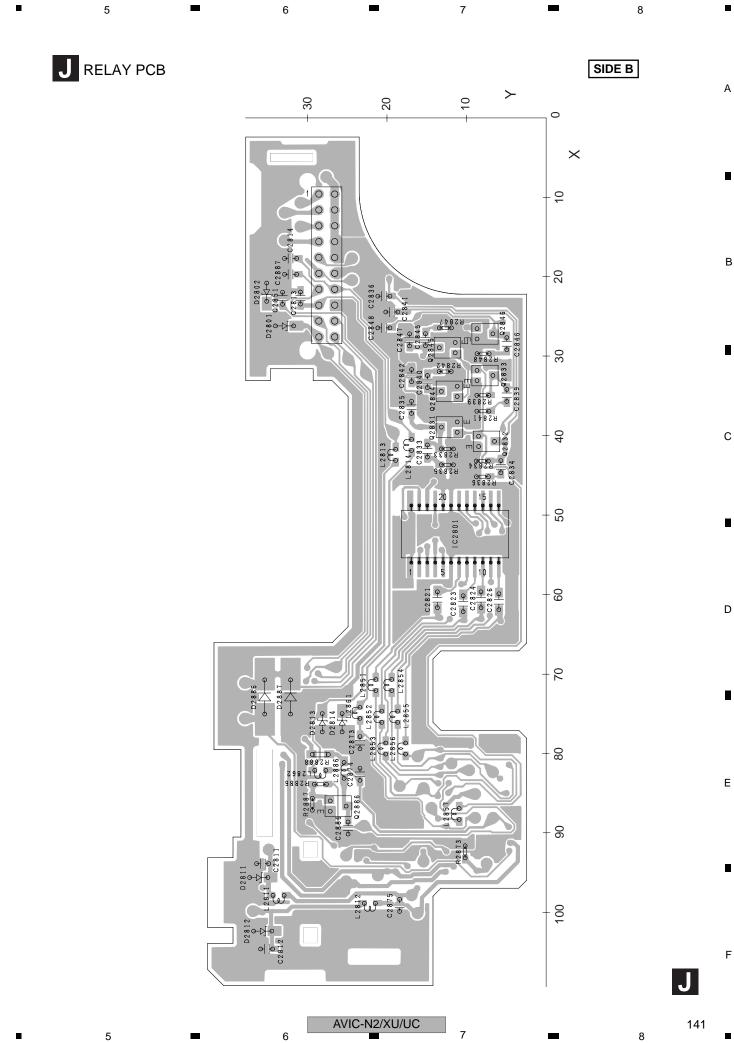




4.9 INVERTER PCB





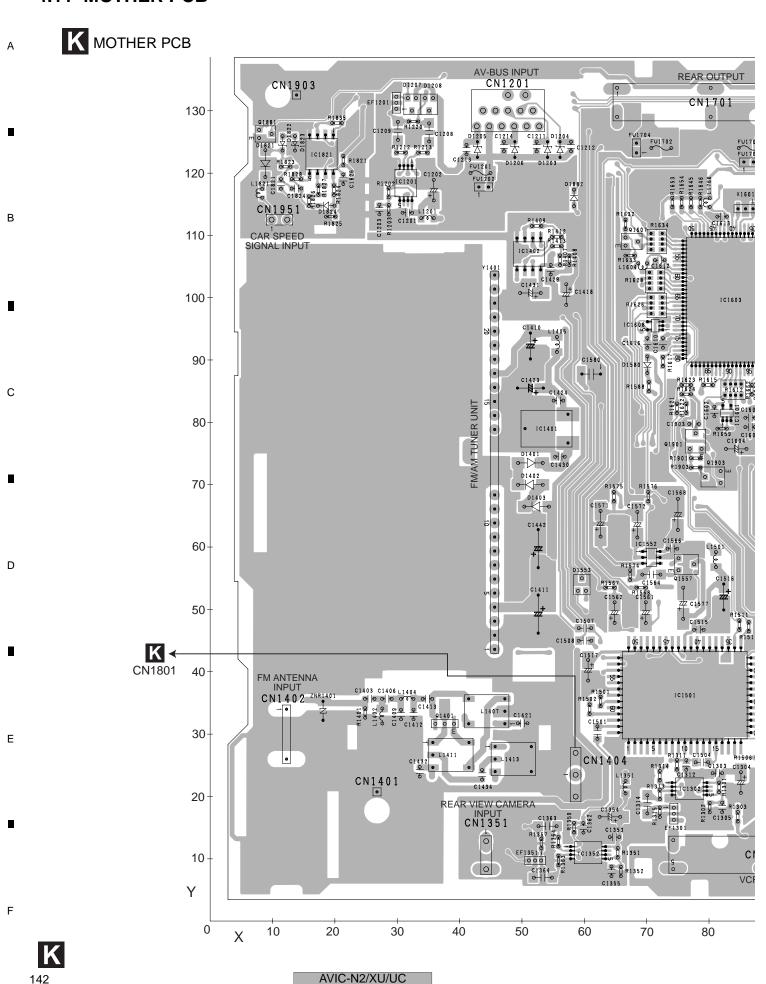


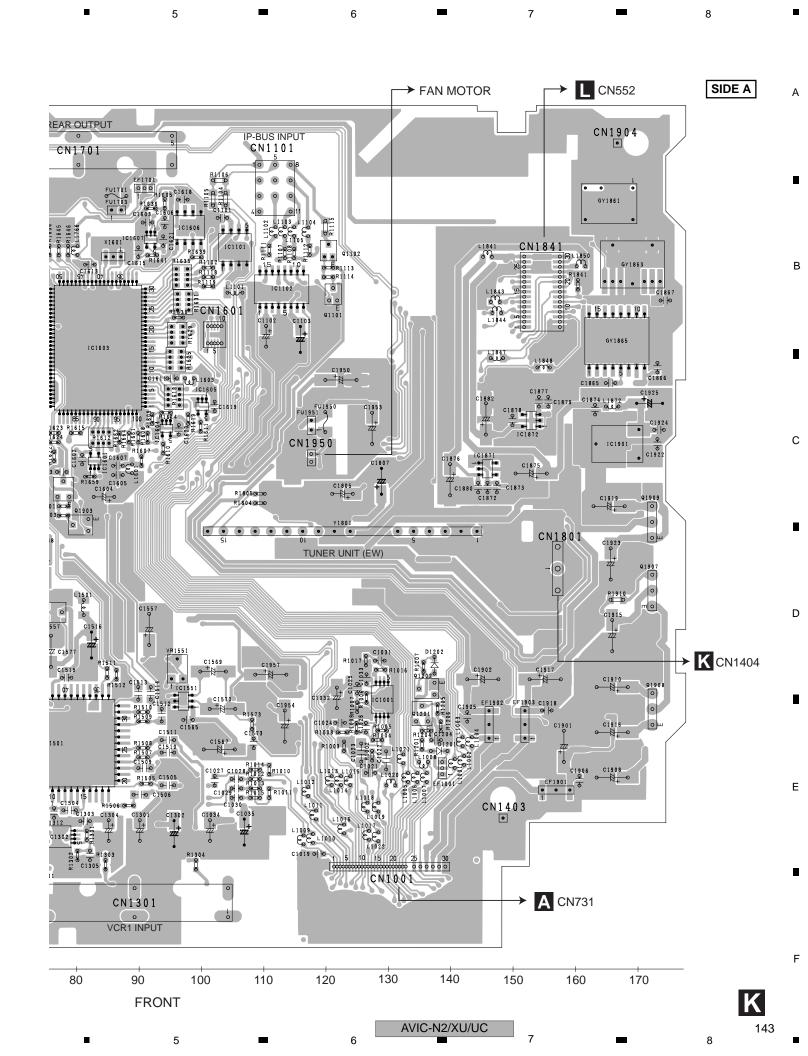
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4.11 MOTHER PCB





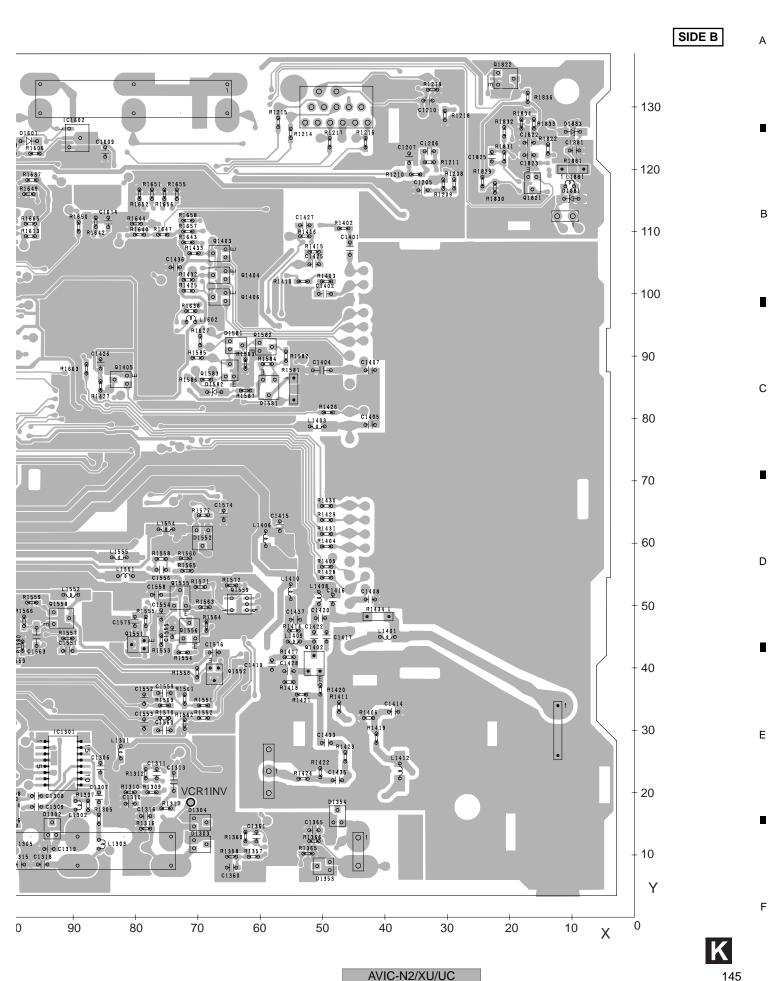
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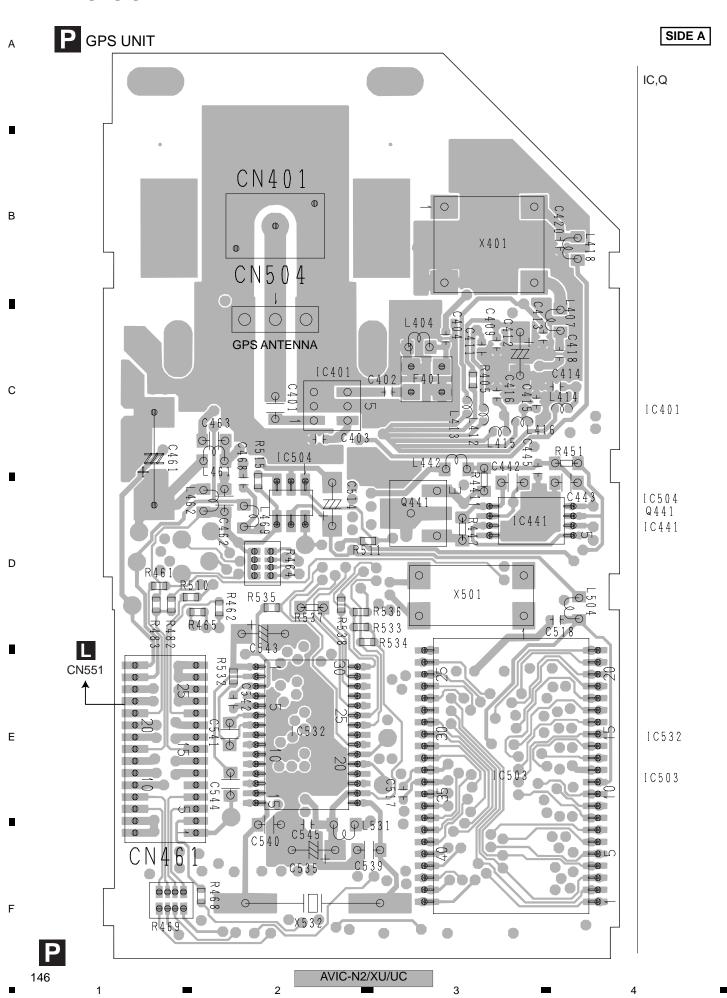
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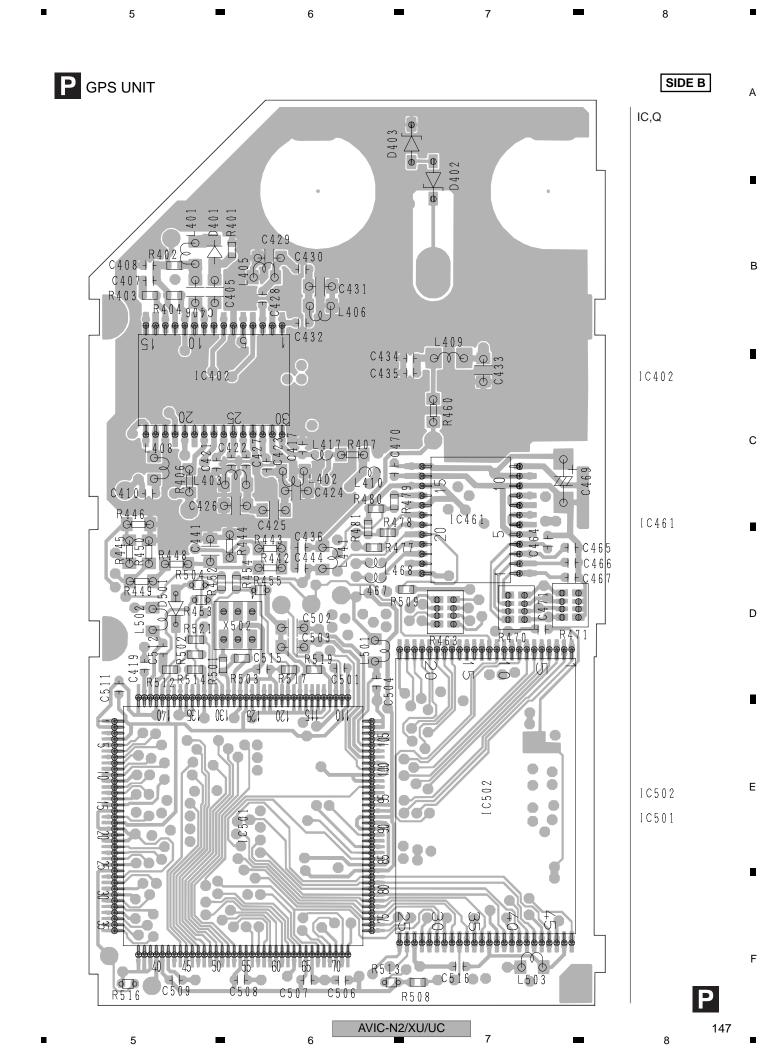


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4.12 GPS UNIT





CN3809 IC, Q 0 OW Ŏα CN3841 CN3842 R3815 IC3804 CN3843 IC38Ø4 В **©** R3811 0□0 R3813 0□0 R3823 000 R3812 0 + 0 C3811 С IC38Ø1 Q38Ø4 382Ø 9 P D Q38Ø1 CN38Ø3 IC38Ø6R3826 0.3806 9.00 IC3803 IC38Ø6 03802 010 010 024 IC3802 R3824 8 1 Q38Ø3 어l C3815 CN3831 Q38Ø5 Ε C3809 T NO CN3832 S CN3833 R38180□0 [No□0 R3819 0□0 00 R3 CN38Ø1 CN38Ø8 C3816 A CN609 F M

AVIC-N2/XU/UC

MAIN UNIT

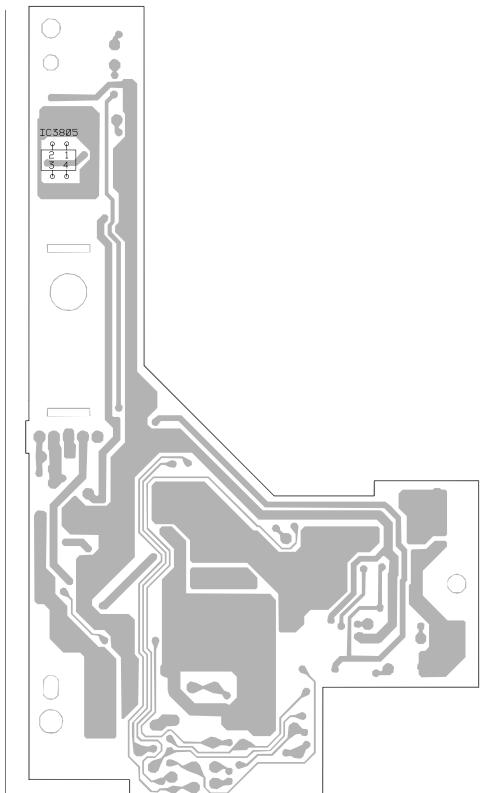
SIDE B

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IC, Q

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IC38Ø5



В

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4.14 SW UNIT AND VOLUME UNIT

N sw unit

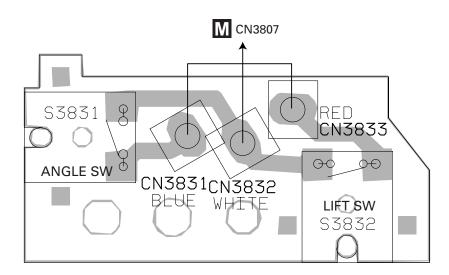
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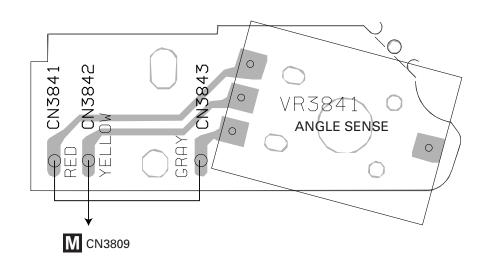
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NO

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AVIC-N2/XU/UC

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5. ELECTRICAL PARTS LIST

NOTE:

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

Chip Resistor

 $RS1/\bigcirc S\bigcirc\bigcirc\bigcirc J, RS1/\bigcirc\bigcirc S\bigcirc\bigcirc\bigcirc J$

Chip Capacitor (except for CQS.....)

CKS....., CCS....., CSZS.....

- The \triangle mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Meaning of the figures and others in the parentheses in the parts list.

Example) IC 301 is on the point (face A, 91 of x-axis, and 111 of y-axis) of the corresponding PC board.

IC 301 (A, 91, 111) IC NJM2068V

	Circuit Symbol and No.	Part No.	<u>Cir</u>	cuit Symbol and No.	Part No.	
			IC 608	(B,60,94) IC	TC7WT125FU	
			IC 611	(B,44,104) IC	TC7S04FU	
			IC 612	(B,51,91) IC	S-80840CNMC-B8Z	
Α			IC 613	(B,48,104) IC	TC7SH00FUS1	
	Nicomban CVA/BAOO 40/A	VIC NOVIVIO	10 010	(2,10,101)	101011001001	
	Number: CWM9948(A		IC 691	(B,165,143) IC	UPD4721GSS1	
Unit	Number: CWM9947(A	VIC-X1R/XU/EW)	IC 751	(B,98,102) IC	CXA1645M	
Unit	Name:CC Unit	•	IC 752	(B,117,121) IC	NJM2137V	
Oilit	Name.co omi		IC 753	(B,88,117) IC	NJM2235V	
	51 1 ANEQUO		IC 754	(B,79,120) IC	NJM2561F1	
MISC	<u>ELLANEOUS</u>			(=,, =,, ==, , =		
10.4	(D. 400.04), 10	1/40504000E TI 75	IC 755	(B,107,116) IC	NJM2561F1	
IC 1	(B,139,31) IC	K4S561632E-TL75	IC 756	(B,100,117) IC	NJM2235V	
IC 2	(A,142,51) IC	UPD705103GM-180S1	IC 757	(B,87,98) IC	TC7SET08FUS1	
IC 3	(B,156,31) IC	HY57V561620CLT-H	IC 758	(B,85,92) IC	TC7SZ08FU	
IC 4	(A,158,22) IC	TC7SZ08FU	IC 801	(B,62,83)	PQ018EZ01ZP	
IC 5	(B,147,55) IC	PD6336C		· · · · ·		
IC 101	(A,136,18) IC	TC74LCX08FTS1	IC 803	(B,32,58) IC	TPS5102IDBT	
IC 101		TC7SH04FUS1	IC 804	(B,67,59) IC	TPS5102IDBT	
IC 102	,	TC74LCX245FTS1	IC 805	(B,15,64) IC	TPS5103IDB	
	, , ,		IC 806	(A,74,92) IC	S-L2980A33MC-C6S	
IC 104 IC 105	,	TC74LCX245FTS1 TC74LCX245FTS1	IC 807	(A,63,111) IC	TPD1018F	
IC 105	(A,152,28) IC	1C/4LCX245F151				
IC 106	(A,161,28) IC	TC74LCX245FTS1	IC 808	(B,61,101) IC	S-812C52AUA-C3G	
IC 107		TC74LCX541FTS1	IC 810	(B,34,85) IC	S-812C56AUA-C3K	
IC 108		TC74LCX541FTS1	IC 2401	(A,136,107) IC	PML009A	
IC 109		TC74LCX541FTS1	IC 2402	(B,129,109) IC	TC7W66FU	
IC 110		PEH005A	IC 2403	(B,154,86) IC	TDA7052BT	
10 110	(B,119,40) IC (EW)	PEH003A				
	(2,110,10) 10 (211)	1 2.1000, (IC 2404	(B,147,109) IC	NJM2058V	
IC 111	(B,119,24) IC (UC)	PEH006A	IC 2405	(A,34,137) IC	PAL007A	
10 111	(B,119,24) IC (EW)	PEH004A	IC 2407	(B,134,130) IC	NJM3403AV	
IC 112		TC7SH00FUS1	IC 2408	(B,134,118) IC	NJM2107F	
IC 113		M5M5V216ATP-70HI	IC 2551	(A,7,145) IC	TC7WT125FU	
IC 114	· · · · /	TC7SH08FUS1				
	(=,:::,:::)		IC 2552	(B,135,109) IC	NJM2068V	
IC 201	(A,105,25) IC	MB86291APFVS-G-DL	IC 2553	(B,116,109) IC	NJM2068V	
IC 301		M51957BFP	IC 2601	(B,165,109) IC	NJM3403AV	
IC 302	, , ,	TC7SH08FUS1	IC 2701	(B,42,28) IC	TC7SH08FUS1	
IC 304	,	AK4351VT	IC 2702	(B,38,88) IC	TC7SH14FUS1	
IC 305		AK5381VT				
10 000	(71,30,00)	741000171	Q 201	(A,126,11) Transistor	UMD2N	
IC 309	(A,122,49) IC	TC7SH08FUS1	Q 301	(A,151,22) Transistor	DTC114EU	
IC 601		PD5937A	Q 601	(B,152,135) Transistor	2SC4081	
IC 602		TC74VHCT08AFTS1	Q 602	(B,51,85) Transistor	UMD2N	
IC 603		TC7SH08FUS1	Q 621	(B,41,109) Transistor	IMD2A	
IC 604		TC7SH08FUS1	0.004	(D.400.450) To	0004707	
	· / -	-	Q 691	(B,162,150) Transistor	2SD1767	
IC 605	(A,131,89) IC	TC7SH08FUS1	Q 692	(B,155,149) Transistor	IMD3A	
	· · · · · ·		NO/VII/IIO			
		AVIC	-N2/XU/UC		<i>'</i>	15°

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	Cir	cuit Symbol and No.	Part No.		Circu	uit Symb	ol and No.	Part No.
		-		_		-		
	Q 704 Q 731	(B,63,154) Transistor (B,69,114) Transistor	2SA1576 IMD3A		2606 2607	(B,116,96) (B,158,98)		UMD2N DTC323TU
	Q 751 Q 751	(B,87,103) Transistor	2SC4081		2608	(B,136,96) (B,119,96)		UMD2N
Α	Q 101	(B,01,100) Hariotot	200 1001	~	2000	(2,110,00)	Tariolotoi	ONBEN
	Q 752	(B,78,112) Transistor	2SC4081	Q	2610	(B,33,123)	Transistor	UMD2N
	Q 754	(A,77,106) Transistor	2SC4081	Q	2611	(B,33,117)	Transistor	UMD2N
	Q 801	(B,30,34) Transistor	2SB1260		2701	(B,42,24)		DTC114TU
	Q 802	(B,25,26) Transistor	DTC114EU		2702	(B,35,10)		DTC144EU
	Q 803	(B,43,34) Transistor	2SA1834F5	Q	2703	(B,35,17)	Iransistor	2SA1577
_	Q 804	(B,55,35) Transistor	DTC114EU	0	2704	(B,39,9) Tr	ancietor	UMH1N
	Q 805	(A,122,137) FET	RSQ030P03		2705	(B,39,17)		2SA1577
	Q 806	(A,119,134) Transistor	DTC144EU		2706	(B,35,22)		IMD2A
	Q 807	(A,36,81) Transistor	2SB1260		2707	(A,36,11)		DTC144EU
	Q 808	(B,45,85) Transistor	DTC114EU	Q	2708	(A,36,18)	Transistor	2SA1577
В								
	Q 809	(A,89,50) Transistor	2SA1797		2709	,	Transistor (EW)	DTC144EU
	Q 810	(A,92,57) Transistor	DTC114EU		2710		Transistor (EW)	2SA1577
	Q 811	(B,13,51) FET	RK4936		2711 2712	,	Fransistor (EW) Fransistor (EW)	UMH1N
	Q 814 Q 815	(B,62,45) Transistor (B,45,69) FET	DTC114EU RK4936		2712	(B,36,100)	` ,	2SA1577 IMD2A
	Q 010	(0,40,00) 1 2 1	1111-1000	· ·	27 10	(D,00,100)	Tariolotoi	IIVIDZA
	Q 816	(B,80,68) FET	RK4936	Q	2714	(A,42,25)	Transistor	2SA1576
	Q 819	(B,45,48) FET	RK4936	Q	2715	(B,35,107)	Transistor	2SD1767
	Q 820	(B,80,49) FET	RK4936		2716	(A,35,25)		DTC124EU
	Q 821	(B,85,149) Transistor	2SA1834F5		2717	(B,35,92)		DTC114EU
	Q 822	(B,91,153) Transistor	DTC114EU	D	610	(B,54,89) I	Diode	1SS355
С	Q 823	(B,111,136) Transistor	2SC4081	D	691	(B,154,152) Diode	HZU8R2(B1)
C	Q 824	(B,104,134) Transistor	2SB1184F5		692	(A,172,136	,	UDZS20(B)
	Q 825	(B,114,136) Transistor	2SC4081	D	693	(A,172,132) Diode	UDZS20(B)
	Q 828	(B,65,115) Transistor	IMX1		694	(A,167,136	,	UDZS20(B)
	Q 829	(B,67,106) Transistor	2SB1184F5	D	695	(A,167,132) Diode	UDZS20(B)
	Q 830	(B,30,85) Transistor	UMF23N	D	696	(A,170,136) Diode	UDZS20(B)
	Q 832	(A,114,137) FET	RSQ030P03		697	(A,170,132	,	UDZS20(B)
	Q 835	(B,118,139) Transistor	2SC4081	D	698	(A,165,136) Diode	UDZS20(B)
	Q 837	(B,40,118) Transistor	2SC4081		699	(A,165,132		UDZS20(B)
	Q 838	(A,111,134) Transistor	DTC144EU	D	700	(A,168,136) Diode	UDZS6R8(B)
	Q 839	(A,72,109) Transistor	UMD2N	D	707	(B,63,151)	Diode	DAN202U
D	Q 840	(B,68,136) Transistor	2SA1576		708	(A,64,135)		5KP22A
D	Q 843	(B,66,95) Transistor	2SD1767		731	(B,144,144		UDZS6R8(B)
	Q 951	(A,75,95) Transistor	DTC124EU		732	(A,134,136	,	UDZS6R8(B)
	Q 971	(B,18,125) Transistor	IMX2	D	733	(A,136,136) Diode	UDZS6R8(B)
	Q 972	(D 19 116) Transistor	IMD3A	D	734	(A,137,136) Diodo	LIDZCEDO/D)
	Q 972 Q 973	(B,18,116) Transistor (B,7,119) Transistor	2SD1767		734 735	(A,137,136 (A,139,136		UDZS6R8(B) UDZS6R8(B)
	Q 2401	(B,125,128) Transistor	UMD2N		736	(B,151,151		UMZ6R8N
	Q 2402	(B,128,133) Transistor	DTC323TU		737	(B,149,137	,	UMZ6R8N
	Q 2403	(B,128,128) Transistor	DTC323TU	D	738	(B,145,138) Diode	UMZ6R8N
	Q 2408	(B,122,106) Transistor	UMD2N		739	(B,154,142		UMZ6R8N
	Q 2409	(B,123,110) Transistor	DTC323TU		740	(B,151,142		UMZ6R8N
Е	Q 2410	(B,125,119) Transistor	UMD2N		741	(B,148,151	,	UMZ6R8N
	Q 2414 Q 2415	(B,126,113) Transistor (B,126,105) Transistor	DTC124EU DTC124EU		742 743	(A,162,142 (A,162,140	,	UDZS6R8(B) UDZS6R8(B)
	Q 2-10	(D, 120, 100) Handiotoi	D1012420	D	7-10	(71,102,140) Blode	0D2001(0(D)
	Q 2416	(B,139,109) Transistor	UMD2N	D	744	(A,162,138		UDZS6R8(B)
	Q 2417	(B,139,106) Transistor	DTC323TU		745	(B,137,144		UDZS6R8(B)
	Q 2418	(B,139,112) Transistor	DTC323TU		746	(B,138,141	,	UDZS6R8(B)
_	Q 2419	(B,22,114) Transistor	UMD2N		747	(B,142,141		UDZS6R8(B)
	Q 2420	(B,142,85) Transistor	DTC114EU	D	748	(B,142,144	, Diode	UDZS6R8(B)
	Q 2421	(B,33,114) Transistor	UMD2N	D	749	(A,141,136		UDZS6R8(B)
	Q 2422	(B,27,112) Transistor	2SC4081	D	750	(A,143,137) Diode	UDZS10(B)
	Q 2427	(B,25,123) Transistor	DTC124EU		753	(B,150,146	,	UDZS6R8(B)
F	Q 2428	(B,28,126) Transistor	DTC124EU		754	(B,145,141	,	UDZS6R8(B)
	Q 2603	(B,113,96) Transistor	UMD2N	D	802	(B,39,57) I	Diode	RB400D
	Q 2604	(B,164,98) Transistor	DTC323TU	n	803	(B,39,61) I	Diode	RB400D
	Q 2605	(B,161,98) Transistor	DTC323TU		804	(B,74,57) I		RB400D
	152			AVIC-N2/XU/UC				
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	<u> </u>	U	 -	-	_ 0	_
Circ	uit Symbol and No.	Part No.	Circ	uit Symbol and No	o. Part No.	
D 805	(B,74,61) Diode	RB400D	L 103	(A,140,28) Inductor	CTF1557	
D 806	(B,9,59) Diode	RB400D	L 104	(A,148,27) Inductor	CTF1557	
D 807	(A,41,56) Diode	RB060L-40	L 105	(A,156,27) Inductor	CTF1557	А
D 808	(A,41,60) Diode	RB060L-40	L 106	(A,165,27) Inductor	CTF1557	
D 809	(A,75,55) Diode	RB060L-40	L 107	(A,163,34) Inductor	CTF1557	
D 810	(A,75,60) Diode	RB060L-40	L 108	(A,163,42) Inductor	CTF1557	
D 812	(B,39,113) Diode	HZU6R8(B2)	L 109	(A,163,51) Inductor	CTF1557	
D 814	(A,104,138) Diode	KS926S2	L 110	(B,106,38) Inductor	CTF1556	
D 815	(B,100,128) Diode	HZU7R5(B3)	L 111	(B,106,23) Inductor	CTF1556	_
D 816	(B,61,118) Diode	UDZS18(B)	L 112	(B,108,55) Inductor	CTF1556	
D 817	(B,71,93) Diode	UDZS20(B)	L 113	(B,109,60) Inductor	CTF1557	
D 818	(A,20,51) Diode	RB060L-40	L 114	(B,109,55) Inductor	CTF1557	
D 820	(B,61,131) Diode	S1G-6904G2P	L 201	(A,127,29) Inductor	CTF1556	В
D 821	(B,64,137) Diode	1SS355	L 203	(A,86,10) Inductor	CTF1556	Ь
D 822	(B,64,133) Diode	1SS355	L 204	(A,105,45) Inductor	CTF1488	
D 828	(B,51,133) Diode	S1G-6904G2P	L 205	(A,124,21) Inductor	CTF1556	
D 830	(B,96,138) Diode	RB500V-40	L 206	(A,89,45) Inductor	CTF1556	
D 831	(B,96,136) Diode	RB500V-40	L 207	(A,95,43) Inductor	CTF1379	
D 832	(A,8,68) Diode	S1G-6904G2P	L 301	(A,141,19) Inductor	CTF1557	
D 833	(B,57,150) Diode	1SS400	L 302	(A,145,13) Inductor	CTF1557	
D 971	(B,13,119) Diode	RB751V40	L 305	(A,103,54) Inductor	CTF1556	
D 972	(B,13,121) Diode	RB751V40	L 306	(A,90,61) Inductor	CTF1556	
D 973	(B,14,117) Diode	HZU8R2(B1)	L 307	(A,90,65) Inductor	CTF1556	
D 974	(B,12,122) Diode	UDZ12(B)	L 308	(A,110,59) Inductor	CTF1334	С
D 2404	(B,110,97) Diode	DAN202Ú	L 312	(A,121,52) Inductor	CTF1410	Ü
D 2405	(B,128,130) Diode	DAP202U	L 601	(B,53,97) Inductor	CTF1334	
D 2406	(A,134,122) Diode	1SS355	L 602	(B,44,90) Inductor	CTF1334	
D 2407	(A,134,129) Diode	UDZS4R7(B)	L 603	(B,44,93) Inductor	CTF1334	
D 2408	(B,142,109) Diode	DAP202U	L 604	(A,44,88) Inductor	CTF1334	_
D 2409	(B,23,111) Diode	UDZS8R2(B)	L 605	(B,158,135) Inductor	CTF1334	
D 2410	(B,24,120) Diode	DAN202U	L 606	(A,126,91) Inductor	CTF1334	
D 2411	(B,27,119) Diode	DAN202U	L 607	(A,131,86) Inductor	CTF1334	
D 2412	(B,34,120) Diode	DAN202U	L 610	(B,56,94) Inductor	CTF1334	
D 2413	(B,29,122) Diode	DAN202U	L 613	(B,44,106) Inductor	CTF1334	
D 2551	(A,13,146) Diode	UDZS6R8(B)	L 616	(B,48,106) Inductor	CTF1334	D
D 2701	(B,37,27) Diode	1SS355	L 617	(B,50,87) Inductor	CTF1334	
D 2702	(B,63,8) Diode Network	DA204U	L 619	(A,129,84) Inductor	CTF1306	
D 2703	(B,51,28) Diode Network	DA204U	L 620	(A,128,81) Inductor	CTF1306	
D 2704	(B,48,14) Diode	UDZS5R6(B)	L 621	(A,129,81) Inductor	CTF1306	
D 2705	(A,50,21) Diode Network	DA204U	L 622	(A,127,84) Inductor	CTF1384	
D 2706	(A,50,10) Diode Network	DA204U	L 623	(A,127,81) Inductor	CTF1387	•
D 2707	(A,50,13) Diode Network	DA204U	L 624	(A,125,84) Inductor	CTF1334	
D 2708	(A,50,15) Diode Network	DA204U	L 625	(A,98,83) Inductor	CTF1306	
D 2709	(B,51,23) Diode Network	DA204U	L 626	(A,96,83) Inductor	CTF1306	
D 2710	(B,51,25) Diode Network	DA204U	L 627	(A,128,84) Inductor	CTF1306	
D 2711	(A,50,18) Diode Network	DA204U	L 628	(A,124,84) Inductor	CTF1306	Е
D 2712	(B,35,97) Diode	HZU8R2(B1)	L 629	(A,125,81) Inductor	CTF1306	
D 2713	(B,35,95) Diode	HZU5R6(B2)	L 630	(A,131,84) Inductor	CTF1306	
D 2714	(B,45,21) Diode	DAP202U	L 631	(A,122,81) Inductor	CTF1334	
D 2715	(B,38,22) Diode	DAP202U	L 632	(A,121,84) Inductor	CTF1334	
D 2821	(A,163,135) Diode	RB500V-40	L 633	(A,121,81) Inductor	CTF1334	-
L 1	(B,132,17) Inductor	CTF1558	L 634	(A,120,84) Inductor	CTF1334	-
L 2	(B,147,18) Inductor	CTF1558	L 635	(A,122,84) Inductor	CTF1306	
L 3	(A,158,17) Inductor	CTF1410	L 636	(A,105,87) Inductor	CTF1334	
L 5	(A,139,33) Inductor	CTF1556	L 637	(A,120,81) Inductor	CTF1306	
L 6	(A,128,35) Inductor	CTF1295	L 638	(A,118,84) Inductor	CTF1306	
L 7	(B,162,55) Inductor	CTF1558	L 639	(A,118,81) Inductor	CTF1306	F
L 8	(A,149,68) Inductor	CTF1556	L 640	(A,117,84) Inductor	CTF1306	
L 101	(A,132,16) Inductor	CTF1557	L 641	(A,124,81) Inductor	CTF1306	
L 102	(A,134,12) Inductor	CTF1557	L 644	(A,115,84) Inductor	CTF1306	450
	5 =	6	AVIC-N2/XU/UC	7	8	153 ■

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	Cir	rcuit Symb	ol and No	Part No.		Circuit Sym	bol and No.	Part No.
	L 645	(A,115,81)		CTF1306	L 712	-	21) Inductor	CTF1629
	L 646	(A,113,81) (A,114,84)		CTF1306	L 713		4) Inductor	CTF1306
Α	L 647	(A,114,81)		CTF1334	L 714		4) Inductor	CTF1306
^		, , ,				, , ,	,	
	L 648	(A,112,81)		CTF1378	L 71	, , ,	22) Inductor	CTF1306
	L 649	(A,110,81)		CTF1378	L 716		3) Inductor	CTF1306
	L 650	(A,109,81)		CTF1378	L 717		4) Inductor	CTF1306
	L 651 L 652	(A,105,81) (A,103,84)		CTF1378 CTF1334	L 718 L 719		46) Inductor 50) Inductor	CTF1410 CTF1334
	L 032	(A, 103,04)	mauctor	C11 1334	L / IS	9 (0,170,1	30) inductor	C11-1334
	L 653	(A,103,81)	Inductor	CTF1467	L 72	1 (A,36,11	4) Inductor	CTF1306
	L 654	(A,102,84)	Inductor	CTF1306	L 722		22) Inductor	CTF1306
	L 660	(A,25,83)	Inductor	CTF1463	L 723		2) Inductor	CTF1306
	L 661	(A,26,85)		CTF1386	L 724		2) Inductor	CTF1306
_	L 662	(A,26,87)	Inductor	CTF1306	L 72	5 (A,25,11	2) Inductor	CTF1306
В	L 663	(A,26,89)	Inductor	CTF1306	L 726	6 (A 37 12	22) Inductor	CTF1306
	L 665	(B,18,90)		CTF1306	L 72	, , ,	21) Inductor	CTF1306
	L 667	(B,15,90)		CTF1467	L 732		39) Inductor	CTF1295
	L 668	(B,18,91)		CTF1334	L 733		41) Inductor	CTF1295
	L 669	(B,15,92)	Inductor	CTF1306	L 734	4 (A,157,1	43) Inductor	CTF1295
								
	L 670	(B,18,93)		CTF1306	L 735		48) Inductor	CTF1295
	L 671	(A,26,90)		CTF1306 CTF1306	L 736		48) Inductor	CTF1295 CTF1295
	L 672 L 673	(B,15,94) (A,26,92)		CTF1306 CTF1306	L 733 L 738		44) Inductor44) Inductor	CTF1295 CTF1295
	L 673	(B,18,95)		CTF1306	L 739		48) Inductor	CTF1295
	_ 0	(2,10,00)		3		(2,.00,.	io, inducto.	011 1200
С	L 675	(A,26,94)	Inductor	CTF1463	L 740	0 (B,136,1	48) Inductor	CTF1410
	L 676	(B,16,98)		CTF1463	L 74	, , ,	40) Inductor	CTF1295
	L 677	(B,27,96)		CTF1463	L 742	, , ,	40) Inductor	CTF1295
	L 678	(B,18,104)		CTF1463	L 744	, , ,	31) Inductor	CTF1334
	L 679	(A,27,107)	inductor	CTF1453	L 74	5 (A,152,1	41) Inductor	CTF1334
	L 680	(B,28,101)	Inductor	CTF1463	L 746	6 (A.153.1	41) Inductor	CTF1334
	L 681	(A,42,114)		CTF1306	L 748	, , ,	41) Inductor	CTF1334
	L 682	(A,40,114)	Inductor	CTF1357	L 749	9 (A,150,1	41) Inductor	CTF1334
	L 683	(A,40,121)		CTF1357	L 75		6) Inductor	CTF1334
	L 684	(A,39,114)	Inductor	CTF1357	L 753	3 (B,95,11	1) Inductor	LCTAW680J3225
	L 685	(A,37,114)	Inductor	CTF1357	L 754	/ (R 01 0/) Inductor	CTF1334
D	L 686	(A,73,114)		CTF1306	L 75	(, ,	22) Inductor	CTF1334
D	L 687	(A,82,117)		CTF1306	L 756		i) Inductor	CTF1306
	L 688	(A,34,114)	Inductor	CTF1357	L 75) Inductor	CTF1306
	L 689	(A,34,122)	Inductor	CTF1306	L 758	8 (B,18,88	3) Inductor	CTF1306
		(4.00.444)		0754004			04)	0754004
	L 690 L 691	(A,33,114)		CTF1334 CTF1334	L 759 L 760	, , ,	21) Inductor	CTF1334 CTF1334
	L 691	(A,33,122) (A,80,122)		CTF1334 CTF1306	L 76°		Inductor Inductor	LCYC2R2K1608
	L 693	(A,31,114)		CTF1384	L 762		16) Inductor	LCYC2R2K1608
	L 694	(A,78,122)		CTF1306	L 763	(, ,	5) Inductor	LCYC2R2K1608
	L 695	(A,30,121)		CTF1463	L 764		20) Inductor	LCYC2R2K1608
	L 696	(A,77,122)		CTF1306	L 76		06) Inductor	LCYC2R2K1608
Е	L 697 L 698	(A,78,114) (A,29,109)		CTF1306 CTF1629	L 766 L 767	, , ,	16) Inductor (6) Inductor	LCYC2R2K1608 CTF1334
	L 699	(A,29,109) (A,66,115)		CTF1334	L 768		6) Inductor	CTF1334 CTF1334
	2 000	(11,00,110)	madotoi	011 100 1	2 700	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	inductor	011 1001
	L 700	(A,56,122)	Inductor	CTF1306	L 77	1 (A,131,1	36) Inductor	CTF1453
	L 701	(A,18,110)	Inductor	CTF1629	L 772	, , ,	36) Inductor	CTF1453
	L 702	(B,61,149)		LCYC2R2K1608	L 793	, , ,	31) Inductor	CTF1334
_	L 703	(A,57,114)		CTF1306	L 794	, , ,	31) Inductor	CTF1306
	L 704	(A,55,122)	inductor	CTF1306	L 79	5 (A,100,8	34) Inductor	CTF1306
	L 705	(A,55,114)	Inductor	CTF1306	L 796	6 (A.100.8	31) Inductor	CTF1306
	L 706	(A,53,122)		CTF1306	L 80°	, , ,) Inductor	CTH1254
	L 707	(A,54,114)		CTF1306	L 802	, , ,	3) Inductor	CTH1257
F	L 708	(A,52,122)		CTF1306	L 803	3 (A,41,49) Inductor	CTH1254
	L 709	(A,52,114)	Inductor	CTF1306	L 804	4 (A,41,68	3) Inductor	CTH1255
	L 710	(A,51,114)	Inductor	CTF1306	1 00	5 (1.75.40	3) Inductor	CTH1257
	L 710 L 711	(A,51,114) (A,49,114)		CTF1306 CTF1306	L 809 L 800	, , ,	3) Inductor 3) Inductor	CTH1257 CTH1257
	154	, .,, /			VIC-N2/XU/UC	(- 1,7 7,00	,	- -
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Circ	uit Symbol and No.	Part No.	Cir	cuit Symbol and No.	Part No.	
L 807	(A,89,147) Inductor	CTH1262	∕.\FU813	(A,83,47) Fuse 2.5A	CEK1285	
L 808	(A,28,65) Inductor	CTH1253	€616 FU814	(B,61,106) Fuse 250mA	CEK1276	
L 809	(A,63,65) Inductor	CTH1253	FU815	(A,136,133) Fuse 1A	CEK1280	Α
L 810	(A,90,136) Choke Coil 100µH	CTH1315	 ∱FU971	(A,15,119) Fuse 375mA	CEK1277	
L 811	(B,58,134) Inductor	CTF1556	∴ FU2701	(B,31,106) Fuse 250mA	CEK1276	
L 812	(A,65,73) Inductor	CTF1453	EF731	(B,151,148) EMI Filter	CCG1082	
L 815	(B,61,136) Inductor	CTF1556	EF732	(B,148,148) EMI Filter	CCG1082	
L 816	(B,31,26) Inductor	CTF1306	EF733	(B,142,137) EMI Filter	CCG1067	
L 817	(A,40,80) Inductor	LCKBW1R0M252		(B,142,134) EMI Filter	CCG1067	
L 818	(A,29,83) Inductor	LCYA220J2520	EF735	(B,151,138) EMI Filter	CCG1067	
L 981	(B,73,81) Inductor	CTF1453	EF736	(B,153,138) EMI Filter	CCG1067	
L 982 L 983	(B,74,32) Inductor (B,63,33) Inductor	CTF1463 CTF1463	EF801 EF802	(A,96,137) EMI Filter (A,78,144) EMI Filter	CCG1172 CCG1172	
L 984	(A,93,79) Inductor	CTF1463	EF803	(A,80,153) EMI Filter	CCG1172	В
L 985	(A,93,86) Inductor	CTF1463	2. 000	(71,00,100) 211111 11101	0001112	
L 2402	(B,116,91) Inductor	CTF1306	RESISTO)RS		
L 2404	(A,148,105) Inductor	LCYA2R2J2520	KESISTO	JKO		
L 2551	(A,12,143) Inductor	CTF1379	R 1	(B,131,34)	RS1/16S0R0J	
	, , , -,		R 3	(B,131,34) (B,131,37)	RS1/16S0R0J	
L 2554	(B,35,115) Inductor	CTF1334	R 5	(A,115,59)	RS1/16S473J	
L 2555	(B,35,111) Inductor	CTF1334	R 6	(A,113,53) (A,121,63)	RS1/16S473J	
L 2601	(B,160,104) Inductor	CTF1334	R 7	(A,157,48)	RS1/16S220J	
L 2701	(B,48,16) Inductor	CTF1399		· · · · · · · · · · · · · · · · · · ·		
L 2702	(B,39,28) Inductor	CTF1334	R 8	(A,120,70)	RS1/16S473J	
			R 10	(A,153,70)	RS1/16S104J	
L 2703	(B,42,88) Inductor	CTF1334	R 11	(A,155,70)	RAB4C473J	С
L 2704	(B,54,11) Inductor	CTF1306	R 12	(A,145,67)	RS1/16S105J	
L 2705	(B,56,11) Inductor	CTF1306	R 13	(A,143,67)	RS1/16S151J	
L 2706	(B,57,11) Inductor	CTF1306				
L 2707	(B,55,18) Inductor	CTF1306	R 14	(B,147,34)	RS1/16S0R0J	
1 0700	(D.00.07)	OTE4000	R 16	(B,147,37)	RS1/16S0R0J	
L 2708	(B,60,27) Inductor	CTF1306	R 19	(A,121,68)	RS1/16S473J	
L 2709 L 2710	(B,55,23) Inductor (B,55,27) Inductor	CTF1306 CTF1306	R 20	(A,135,69)	RS1/16S101J	_
L 2710	(B,51,30) Inductor	CTF1306	R 21	(A,139,67)	RS1/16S101J	
L 2712	(B,33,15) Inductor	CTF1334	R 22	(4 427 60)	RS1/16S101J	
	(2,00,10)	•	R 23	(A,137,69) (B,137,60)	RS1/16S1013	
L 2713	(B,37,17) Inductor	CTF1334	R 24	(B,137,62)	RS1/16S151J	
L 2714	(A,43,22) Inductor	CTF1334	R 25	(A,134,69)	RS1/16S101J	D
L 2715	(A,39,22) Inductor (EW)	CTF1334	R 26	(A,138,69)	RS1/16S101J	
L 2716	(B,51,20) Inductor	CTF1334		, ,		
L 2717	(B,58,7) Inductor	CTF1306	R 27	(A,135,67)	RS1/16S101J	
			R 28	(A,137,67)	RS1/16S101J	
L 2800	(B,160,133) Inductor	CTF1305	R 29	(A,134,67)	RS1/16S101J	
TH601	(A,138,88) Thermistor	CCX1056	R 30	(A,132,67)	RS1/16S101J	
X 1	(A,143,72) Radiator 30.000MHz		R 31	(A,133,69)	RS1/16S101J	
X 2 X 3	(B,135,61) Radiator 33.000MHz (B,161,49) Radiator 33.8688MHz		.	(D. 407.50)	DO4/100/==:	
Λ 3	(D, 101,45) Radiator 33.8688MHz	1001001	R 32	(B,137,53)	RS1/16S473J	
X 202	(A,127,22) Radiator 14.31818MHz	CSS1632	R 33	(A,131,69)	RS1/16S473J	
X 202 X 601	(A, 127,22) Radiator 14.31818MHz (A,47,88) Radiator 10.0MHz		R 34	(B,158,50)	RS1/16S223J	
VR751	$(A,79,111)$ Semi-fixed $1k\Omega(OB)$		R 35 R 36	(A,127,49)	RS1/16S104J	_
⚠FU691	(B,167,151) Fuse 2.5A	CEK1285	N 30	(A,126,59)	RS1/16S101J	E
∴ FU692	(B,160,140) Fuse 2A	CEK1284	R 37	(A,126,61)	RS1/16S101J	
	· · · · · · · · · · · · · · · · · · ·	-	R 38	(A,126,62)	RS1/16S101J	
∴ FU801	(A,59,120) Fuse 1.25A	CEK1255	R 39	(A,126,63)	RS1/16S101J	
∴ FU802	(A,9,63) Fuse 4A	CEK1288	R 40	(A,126,46)	RS1/16S470J	
<u></u> FU803	(B,109,137) Fuse 375mA	CEK1277	R 45	(B,130,56)	RS1/16S104J	-
∴ FU804	(A,24,72) Fuse 2.5A	CEK1285		• • • •		
∴ FU805	(A,62,72) Fuse 2.5A	CEK1285	R 46	(B,131,62)	RS1/16S104J	
A = 1000	(4.00.447) 5	051/4054	R 47	(B,161,47)	RS1/16S104J	
∴ FU806	(A,63,117) Fuse 1A	CEK1254	R 48	(B,159,65)	RS1/16S104J	
∴ FU807	(A,40,83) Fuse 1A	CEK1280	R 49	(B,161,65)	RS1/16S104J	
 FU808	(B,46,120) Fuse 4A	CEK1260	R 50	(B,162,65)	RS1/16S104J	_
	(A,125,136) Fuse 2A (A,97,132) Fuse 500mA	CEK1284 CEK1278	. -:	(D.0.4.05)	D04/4005 : :	F
<u>∷</u> ⊢∪010	(17,31,132) FUSE SUUINA	JEN 12/0	R 51	(B,84,25)	RS1/16SS101J	
∴ FU811	(A,86,73) Fuse 2A	CEK1284	R 52	(B,84,26)	RS1/16SS101J	
∴FU812	(A,117,139) Fuse 250mA	CEK1276	R 53	(B,84,27)	RS1/16SS101J	
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	Cir	cuit Symbol and	d No. Part No.	C	ircuit Symbol and No.	Part No.
	R 54	(B,84,28)	RS1/16SS101J	R 169	(A,125,64)	RS1/16S473J
	R 55	(B,84,30)	RS1/16SS101J	R 170	(A,123,04) (A,111,66)	RS1/16S473J
Α	11 00	(2,01,00)	1101/10001010	11 110	(* 1,1 1 1,00)	1101/1001100
, ,	R 57	(B,84,29)	RS1/16SS101J	R 171	(A,114,66)	RS1/16S473J
	R 59	(B,83,31)	RS1/16SS101J	R 172	(A,112,66)	RS1/16S473J
	R 60	(B,84,32)	RS1/16SS101J	R 174	(A,126,67)	RS1/16S473J
	R 61 R 62	(A,60,36)	RS1/16SS0R0J RS1/16SS101J	R 175	(A,126,68)	RS1/16S473J
	K 02	(B,84,34)	KS1/16SS1013	R 176	(A,126,57)	RS1/16S0R0J
	R 63	(B,84,33)	RS1/16SS101J	R 177	(A,121,66)	RS1/16S473J
	R 64	(B,86,38)	RS1/16SS101J	R 178	(A,121,67)	RS1/16S473J
	R 65	(B,84,36)	RS1/16SS101J	R 179	(A,115,63)	RS1/16S473J
	R 66	(A,60,41)	RS1/16SS101J	R 180	(A,149,66)	RS1/16S101J
	R 67	(A,61,41)	RS1/16SS101J	R 181	(A,119,56)	RS1/16S473J
В	R 68	(A,62,41)	RS1/16SS101J	R 182	(A,121,56)	RS1/16S473J
	R 69	(A,63,41)	RS1/16SS101J	R 183	(A,119,63)	RS1/16S473J
	R 70	(A,64,41)	RS1/16SS101J	R 184	(A,119,59)	RS1/16S473J
	R 71	(A,65,41)	RS1/16SS101J	R 185	(A,116,63)	RS1/16S473J
	R 72	(A,66,41)	RS1/16SS101J	R 186	(A,118,59)	RS1/16S473J
	R 73	(A,67,41)	RS1/16SS101J	R 187	(A,116,59)	RS1/16S473J
	R 74	(A,67,41) (A,68,41)	RS1/16SS101J	R 188	(A,110,59) (A,111,69)	RS1/16S473J
	R 75	(A,69,41)	RS1/16SS101J	R 189	(A,111,69)	RS1/16S473J
	R 76	(A,70,41)	RS1/16SS101J	R 190	(A,114,69)	RS1/16S473J
	R 77	(A,71,41)	RS1/16SS101J	R 191	(B,130,65)	RS1/16S473J
	D 70	(4.70.44)	D04/40004044	D 100	(4.440.00)	D04/4004704
_	R 78 R 79	(A,72,41)	RS1/16SS101J RS1/16SS101J	R 192	(A,118,63)	RS1/16S473J
С	R 79	(A,73,41) (A,74,41)	RS1/16SS101J RS1/16SS101J	R 193 R 194	(A,128,66) (A,150,68)	RS1/16S473J RS1/16S390J
	R 81	(A,75,41)	RS1/16SS101J	R 196	(A,116,69)	RS1/16S473J
	R 82	(A,76,41)	RS1/16SS101J	R 201	(A,124,41)	RN1/16SE1502D
	R 84	(B,84,37)	RS1/16SS562J	R 202	(A,124,40)	RN1/16SE1202D
	R 85 R 87	(B,85,31) (B,160,63)	RS1/16SS103J RS1/16S104J	R 210 R 211	(A,103,43) (A,102,43)	RS1/16S104J RS1/16S104J
	R 88	(B,132,49)	RS1/16S104J	R 211	(A,102,43) (A,94,43)	RS1/16S104J
	R 89	(B,137,46)	RS1/16S0R0J	R 213	(A,93,43)	RS1/16S104J
		(, - , -,			(
	R 90	(B,137,45)	RS1/16S0R0J	R 217	(A,125,36)	RS1/16S272J
	R 93	(B,135,44)	RS1/16S153J	R 220	(A,126,9)	RS1/16S223J
D	R 94	(B,138,44)	RS1/16S153J	R 221	(A,126,26)	RS1/16S105J
	R 95 R 96	(B,134,49) (B,134,48)	RS1/16S153J RS1/16S153J	R 222 R 224	(A,126,17) (A,84,16)	RS1/16S151J RS1/16S0R0J
	17 30	(0,134,40)	1001/1001000	17 224	(1,04,10)	1000100
	R 97	(A,123,56)	RS1/16S473J	R 225	(A,122,9)	RS1/16S104J
	R 98	(A,159,61)	RS1/16S473J	R 226	(A,123,9)	RS1/16S104J
	R 101	(B,107,36)	RS1/16S473J	R 227	(A,84,19)	RS1/16S104J
_	R 102	(B,107,21)	RS1/16S473J	R 228	(A,85,19)	RS1/16S104J
	R 103	(B,105,59)	RS1/16S473J	R 229	(B,119,17)	RS1/16S560J
	R 104	(A,136,23)	RS1/16S220J	R 230	(A,85,14)	RS1/16S104J
	R 151	(B,131,33)	RS1/16S0R0J	R 232	(A,86,14)	RS1/16S104J
	R 152	(B,163,35)	RS1/16S0R0J	R 237	(B,117,17)	RS1/16S104J
Е	R 153	(B,146,44)	RS1/16S471J	R 238	(B,118,17)	RS1/16S330J
	R 154	(A,120,56)	RS1/16S473J	R 240	(A,119,8)	RS1/16S104J
	R 155	(A,118,56)	RS1/16S473J	R 301	(A,140,19)	RS1/16S123J
	R 156	(A,110,66)	RS1/16S473J	R 302	(A,140,22)	RS1/16S103J
	R 157	(A,115,66)	RS1/16S473J	R 303	(A,141,17)	RS1/16S473J
_	R 158	(A,122,52)	RS1/16S473J	R 320	(A,111,57)	RS1/16S103J
	R 159	(B,130,57)	RS1/16S473J	R 329	(A,114,54)	RS1/16SS821J
	R 160	(A,124,61)	RS1/16S473J	R 330	(A,115,50)	RS1/16SS221J
	R 161	(A,124,61) (A,110,69)	RS1/16S103J	R 331	(A,115,50) (A,115,52)	RS1/16SS221J RS1/16SS221J
	R 162	(B,136,57)	RS1/16S473J	R 332	(A,115,51)	RS1/16SS472J
	R 163	(A,126,58)	RS1/16S560J	R 333	(A,103,61)	RS1/16SS222J
F	R 164	(A,116,66)	RS1/16S473J	R 334	(A,103,59)	RS1/16SS222J
	D 405	(4.400.70)	DO4/4004701	B 005	(4.400.50)	D04/4000004 !
	R 165 R 166	(A,126,70) (A,108,69)	RS1/16S473J RS1/16S473J	R 335 R 336	(A,102,59) (A,101,59)	RS1/16SS221J RS1/16SS221J
	R 166	(A,106,69) (A,121,64)	RS1/16S473J	R 349	(B,161,44)	RS1/16S5221J RS1/16S473J
	156	(,,)		C-N2/XU/UC	() - ·) · ·)	
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Circ	cuit Symbol and No.	Part No.	Circ	cuit Symbol and No.	Part No.	
R 350	(B,152,43)	RS1/16S473J	R 661	(A,43,88)	RS1/16SS681J	
R 356	(A,114,56)	RS1/16S0R0J	R 662	(A,42,88)	RS1/16SS681J	
17 330	(4,114,30)	1001/1000100	17 002	(A,42,00)	10000010	^
R 360	(B,101,61)	RS1/16SS473J	R 663	(A,41,88)	RS1/16SS681J	Α
	(' ' '	RS1/16SS473J		* * * *		
R 361	(B,101,48)		R 664	(B,39,103)	RS1/16SS681J	
R 362	(B,101,60)	RS1/16SS473J	R 665	(A,38,110)	RAB4C681J	
R 363	(B,101,49)	RS1/16SS473J	R 666	(A,42,110)	RAB4C681J	
R 364	(B,101,52)	RS1/16SS473J	R 667	(A,45,109)	RS1/16SS681J	
						_
R 365	(B,101,51)	RS1/16SS473J	R 668	(A,24,127)	RS1/16S104J	
R 366	(B,101,50)	RS1/16SS473J	R 670	(B,41,105)	RS1/16SS103J	
R 367	(B,103,49)	RS1/16SS473J	R 671	(B,41,103)	RS1/16SS103J	
R 368	(B,103,51)	RS1/16SS473J	R 672	(A,35,110)	RS1/16SS681J	
R 369	(B,101,59)	RS1/16SS473J	R 673	(B,41,104)	RS1/16SS102J	
R 370	(A,93,72)	RS1/8S0R0J	R 674	(B,41,102)	RS1/16SS102J	Е
R 601	(A,138,87)	RS1/16S1803D	R 675	(A,34,99)	RS1/16SS681J	_
R 602	(B,51,100)	RS1/16SS473J	R 676	(A,37,91)	RS1/16SS681J	
R 603	(A,131,91)	RS1/16SS473J	R 687	(A,51,122)	RS1/16S470J	
R 604	(A,34,94)	RS1/16SS0R0J	R 691	(B,157,149)	RS1/16S471J	
11 00 1	(, (0, 1, 0, 1)	1101/100001100	11 001	(2,107,110)	1101/1001/10	
R 606	(A,38,88)	RAB4C681J	R 692	(B,159,149)	RS1/16S471J	
R 607	(A,126,86)	RS1/16SS473J	R 693	(A,171,139)	RS1/16S681J	
R 607	(B,156,135)	RS1/16S5473J	R 694	(A,171,139) (A,167,139)	RS1/16S681J	_
R 609	(B,155,133)	RS1/16S104J	R 695	(A,170,139)	RS1/16S681J	
	, , ,	RS1/16S104J		, ,		
R 610	(B,152,132)	KS1/1054/3J	R 696	(A,165,139)	RS1/16S681J	
D 611	(D 455 435)	DC4/46C470 I	D 607	(4 169 130)	DC4/46C604 I	
R 611	(B,155,135)	RS1/16S472J	R 697	(A,168,139)	RS1/16S681J	
R 614	(A,34,103) (UC)	RS1/16SS473J	R 711	(B,63,156)	RS1/16S102J	C
R 615	(A,34,102) (EW)	RS1/16SS473J	R 712	(B,66,152)	RS1/16S472J	
R 616	(A,46,109)	RS1/16SS681J	R 715	(B,64,149)	RS1/16S472J	
R 617	(A,41,86)	RS1/16S0R0J	R 716	(B,60,150)	RS1/16S153J	
R 618	(B,40,100)	RS1/16SS473J	R 730	(B,74,102)	RS1/16S0R0J	
R 620	(B,49,97)	RS1/16SS473J	R 732	(B,146,144)	RS1/16S102J	_
R 622	(A,46,113)	RS1/16SS473J	R 733	(B,147,145)	RS1/16S102J	
R 623	(A,48,110)	RAB4C681J	R 734	(A,140,140)	RS1/16S102J	
R 625	(A,35,106)	RS1/16S473J	R 735	(A,138,140)	RS1/16S102J	
	,			,		
R 626	(A,52,110)	RAB4C681J	R 736	(A,137,140)	RS1/16S0R0J	
R 627	(A.60,95)	RS1/16SS473J	R 737	(A,135,140)	RS1/16S102J	
R 628	(A,35,100)	RS1/16SS473J	R 738	(B,141,148)	RS1/16S681J	D
R 629	(A,58,95)	RS1/16SS473J	R 739	(B,140,148)	RS1/16S681J	
R 631	(A,132,84)	RS1/16S681J	R 751	(B,102,93)	RS1/16SS101J	
17 001	(11,102,04)	1101/1000010	1701	(B, 102,00)	1101/10001010	
R 632	(A,37,107)	RS1/16SS473J	R 752	(B,104,94)	RS1/16SS101J	
R 633	(A,57,90)	RS1/16SS473J	R 753	(B,106,96)	RS1/16SS101J	
R 634	(B,54,112)	RS1/16S473J	R 754	(B,97,95)	RS1/16S222J	
R 636	(B,56,110)	RS1/16S473J	R 755	(B,90,96)	RS1/16S222J	
R 637	· · · /	RS1/16S473J	R 756	· · · /	RS1/16S103J	
K 037	(B,12,89)	NO 1/1004/30	K 750	(B,85,97)	K31/1031030	
D 640	(D 52 97)	DC1/16CC101 I	D 757	(P 97 101)	DC4/46C070 I	
R 640	(B,52,87)	RS1/16SS101J	R 757	(B,87,101)	RS1/16S272J	
R 641	(B,52,88)	RS1/16SS473J	R 758	(B,83,100)	RS1/16S272J	
R 642	(A,55,106)	RS1/16SS681J	R 759	(B,85,101)	RS1/16S0R0J	
R 643	(A,57,99)	RS1/16SS681J	R 760	(B,81,103)	RS1/16S301J	E
R 644	(B,49,99)	RS1/16SS681J	R 761	(B,83,94)	RS1/16S1000D	
D 045	(4.57.07)	D04/40000044	D 700	(D.00.400)	DN4/400E0000D	
R 645	(A,57,97)	RS1/16SS681J	R 762	(B,96,108)	RN1/16SE2002D	
R 646	(A,57,93)	RAB4C681J	R 763	(B,93,108)	RS1/16S473J	
R 648	(A,55,88)	RS1/16SS681J	R 764	(B,104,108)	RS1/16S75R0D	
R 649	(A,54,88)	RS1/16SS681J	R 765	(B,102,108)	RS1/16S75R0D	_
R 650	(B,57,91)	RS1/16SS104J	R 766	(B,101,108)	RS1/16S75R0D	
_	_			_		
R 651	(B,63,93)	RS1/16S681J	R 767	(B,99,108)	RS1/16S750J	
R 653	(A,138,84)	RS1/16S2003F	R 768	(B,84,104)	RS1/16S62R0D	
R 654	(A,34,105)	RS1/16SS473J	R 769	(B,106,119)	RS1/16S105J	
R 655	(A,55,109)	RS1/16SS681J	R 770	(B,87,122)	RS1/16S101J	
R 657	(A,54,85)	RS1/16S104J	R 772	(B,103,115)	RS1/16S105J	F
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R 658	(A,35,97)	RS1/16SS101J	R 773	(A,106,98)	RS1/16S750J	
R 659	(A,51,88)	RAB4C681J	R 774	(B,96,115)	RS1/16S101J	
R 660	(A,43,87)	RS1/16SS104J	R 776	(A,123,121)	RS1/16S750J	
	•		AVIC-N2/XU/UC	_		157
	5 ■	6	AVIO-11/2/AU/UC	7	8	137
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	Circ	cuit Symbol and No.	Part No.	Circ	cuit Symbol and No.	Part No.
	R 777 R 778	(A,90,110) (A,80,107)	RS1/16S750J RS1/16S681J	R 865 R 866	(B,29,70) (B,26,58)	RS1/16S100J RS1/16S104J
Α	R 779	(A,81,114)	RS1/16S302J	R 867	(B,65,45)	RS1/16S473J
	R 780	(B,81,111)	RS1/16S102J	R 868	(B,67,71)	RS1/16S100J
	R 781	(A,107,81)	RS1/16S0R0J	R 869	(B,61,58)	RS1/16S104J
	R 782	(B,85,117)	RS1/16S105J	R 870	(B,62,42)	RS1/16S473J
	R 783	(B,91,118)	RS1/16S105J	R 873	(B,42,57)	RS1/10S150J
	R 784	(B,102,113)	RS1/16S105J	R 874	(B,31,51)	RS1/16S224J
	R 785	(B,83,118)	RS1/16S105J	R 875	(B,31,66)	RS1/16S224J
	R 794 R 795	(A,75,105)	RS1/16S563J RS1/16SS102J	R 876 R 877	(B,42,61)	RS1/10S150J RS1/10S150J
	R 796	(A,77,103) (A,75,103)	RS1/16S563J	R 878	(B,77,57) (B,66,51)	RS1/16S224J
В	R 805	(B,25,28)	RS1/16S151J	R 879	(B,66,65)	RS1/16S224J
В	R 806	(B,23,26)	RS1/16S151J	R 880	(B,77,61)	RS1/10S150J
	R 807	(B,51,35)	RS1/16S470J	R 884	(B,91,147)	RS1/4S561J
	R 808	(B,50,35)	RS1/16S103J	R 885	(B,91,150)	RS1/4S561J
	R 810	(B,70,32)	RS1/16S0R0J	R 886	(B,85,144)	RS1/16S103J
	R 812	(B,53,35)	RS1/16S470J	R 891	(B,111,138)	RS1/16S1101D
	R 813	(B,56,106)	RS1/16S0R0J	R 892	(B,109,140)	RS1/16S6800D
	R 814	(A,82,96)	RS1/16S0R0J	R 893	(B,111,129)	RS1/8S102J
	R 817 R 819	(B,25,30) (B,40,85)	RS1/16S103J RS1/8S181J	R 894 R 895	(B,113,140) (B,111,132)	RS1/16S471J RS1/8S102J
	R 820	(B,40,83)	RS1/8S181J	R 896	(B,104,129)	RS1/16S103J RS1/16S224J
С	R 821 R 824	(A,32,83) (B,60,34)	RS1/16S103J RS1/16S0R0J	R 901 R 902	(B,148,122) (B,38,122)	RS1/16S224J RS1/16S473J
	R 825	(A,89,55)	RS1/10S360J	R 902	(B,40,116)	RS1/16S223J
	R 826	(A,89,57)	RS1/10S360J	R 904	(B,39,116)	RS1/16S223J
	R 827	(A,89,53)	RS1/16S103J	R 905	(B,26,82)	RS1/10S472J
	R 829	(A,119,138)	RS1/16S475J	R 906	(B,30,82)	RS1/16S223J
	R 830	(B,9,52)	RS1/16S101J	R 911	(B,62,119)	RS1/16S474J
	R 831	(B,8,52)	RS1/16S1600D	R 912	(B,116,140)	RS1/16S472J
	R 832	(B,8,54)	RS1/16S5601D	R 913	(B,121,138)	RS1/16S102J
	R 833	(B,9,56)	RS1/16S1001D	R 914	(B,62,111)	RS1/16S473J
	R 834	(B,9,70)	RS1/16S331J	R 915	(B,66,119)	RS1/16S473J
D	R 835	(B,15,70)	RS1/16S154J	R 916	(B,64,119)	RS1/16S473J
	R 836 R 837	(B,31,49) (B,27,48)	RS1/16S3300D RS1/16S101J	R 917 R 918	(B,66,98) (B,67,99)	RS1/16S0R0J RS1/16S471J
	R 838	(B,27,49)	RS1/16S3001D	R 919	(A,112,138)	RS1/16S475J
	R 839	(B,25,49)	RS1/16S1001D	R 920	(B,68,133)	RS1/16S101J
	R 840 R 841	(B,26,51) (B,26,54)	RS1/16S102J RS1/16S104J	R 921 R 922	(B,62,117) (B,87,135)	RS1/16S103J RS1/16S0R0J
	R 842	(B,31,67)	RS1/16S6800D	R 925	(A,69,109)	RS1/16S102J
	R 843	(B,27,67)	RS1/16S5601D	R 926	(A,69,110)	RS1/16S103J
	R 844	(B,25,68)	RS1/16S1001D	R 927	(B,68,131)	RS1/16S471J
	R 845	(B,27,69)	RS1/16S101J	R 928	(B,67,134)	RS1/16S103J
Е	R 846	(B,26,66)	RS1/16S102J	R 929	(B,63,135)	RS1/10S103J
	R 847	(B,66,48)	RS1/16S5600D	R 936	(B,66,91)	RS1/16S820J
	R 848	(B,63,48)	RS1/16S2401D	R 937	(B,69,91)	RS1/16S820J
	R 849	(B,63,49)	RS1/16S101J	R 938	(B,114,138)	RS1/16S561J
	R 850 R 851	(B,60,49) (B,61,51)	RS1/16S1601D RS1/16S152J	R 939 R 940	(B,8,49) (B,31,47)	RS1/16S0R0J RS1/16S0R0J
	R 852	(B,66,69)	RS1/16S1200D	R 940 R 941	(B,33,68)	RS1/16S0R0J RS1/16S0R0J
	R 853 R 854	(B,63,69) (B,61,53)	RS1/16S1001D RS1/16S104J	R 942 R 943	(B,66,46) (B,68,68)	RS1/16S0R0J RS1/16S0R0J
	R 855	(B,63,68)	RS1/16S104J	R 944	(B,26,63)	RS1/16S104J
	R 856	(B,60,68)	RS1/16S1001D	R 945	(B,61,63)	RS1/16S104J
F	R 857	(B,61,66)	RS1/16S152J	R 946	(B,37,116)	RS1/16S4701D
	R 858	(B,21,67)	RS1/16S100J	R 952	(A,78,95)	RS1/16S473J
	R 859	(B,16,57)	RS1/16S184J	R 954	(B,57,149)	RS1/16S103J
	R 861	(B,9,47)	RS1/10S100J	R 962	(A,31,95)	RS1/16S103J
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<u>Cir</u>	cuit Symbol and No.	Part No.	<u>Cir</u>	cuit Symbol and No.	Part No.	
R 971	(B,17,127)	RS1/16S824J	R 2478	(B,143,101)	RS1/16S472J	
R 972	(B,16,131)	RS1/16S102J	R 2479 R 2480	(B,143,103) (B,145,119)	RS1/16S472J RS1/16S472J	А
R 973	(B,21,125)	RS1/16S472J	1. =.00	(D, 170, 110)	1101/10010	7
R 974	(B,18,122)	RS1/8S271J	R 2481	(B,143,115)	RS1/16S472J	
R 975	(B,18,119)	RS1/8S751J	R 2482	(B,143,106)	RS1/16S472J	ŀ
R 977	(B,30,126)	RS1/16S103J	R 2483	(B,143,112)	RS1/16S472J	ļ
R 977	(B,32,126)	RS1/16S103J	R 2484	(B,146,104)	RS1/16S472J	ļ
K 910	(D,32,120)	K31/1031030	R 2485	(B,146,104) (B,146,114)	RS1/16S472J	ŀ
R 979	(A,8,47)	RS1/10S0R0J	11 2700	(D, 140, 114)	1101/1007/20	
R 981	(A,48,72)	RS1/10S0R0J	R 2486	(B,148,103)	RS1/16S472J	ŀ
R 982	(A,46,72) (A,85,71)	RS1/10S0R0J	R 2487	(B,149,116)	RS1/16S472J	ŀ
						ŀ
R 983	(B,14,44)	RS1/10S102J	R 2488	(B,148,101)	RS1/16S471J	ŀ
R 2403	(A,135,123)	RS1/16S102J	R 2489	(B,149,117)	RS1/16S471J	ŀ
D 0404	(D. 400 40E)	DO4/4004701	R 2492	(B,24,110)	RS1/16S223J	_ !
R 2404	(B,128,135)	RS1/16S473J	D 0400	(5.55.44)	50:4004704	В
R 2407	(B,128,126)	RS1/16SS473J	R 2493	(B,25,114)	RS1/16S473J	ļ
R 2409	(B,131,133)	RS1/16S473J	R 2496	(B,31,112)	RS1/16S103J	ļ
R 2410	(B,131,128)	RS1/16SS473J	R 2497	(B,23,117)	RS1/4S102J	ŀ
R 2411	(B,133,135)	RS1/16S473J	R 2499	(B,23,123)	RS1/16S103J	ŀ
			R 2500	(B,24,126)	RS1/16S103J	I
R 2416	(B,132,126)	RS1/16SS473J				_ !
R 2417	(B,109,103)	RS1/16S104J	R 2501	(B,29,142)	RS1/16S221J	
R 2418	(B,110,107)	RS1/16S102J	R 2502	(B,26,139)	RS1/16S102J	
R 2419	(B,133,123)	RS1/16SS473J	R 2503	(B,31,142)	RS1/16S101J	I
R 2420	(B,133,138)	RS1/16S473J	R 2551	(A,14,140)	RS1/16SS101J	!
	(,, ,		R 2552	(A,15,143)	RS1/16SS621J	I
R 2421	(B,110,109)	RS1/16S473J		(, -, ,		
R 2422	(B,135,137)	RS1/16S473J	R 2553	(A,14,145)	RS1/16SS473J	С
R 2423	(B,135,124)	RS1/16SS473J	R 2555	(A,10,146)	RS1/16SS361J	C
R 2423	(B,133,124) (B,112,111)	RS1/16S473J	R 2556	(B,137,119)	RS1/16S473J	!
R 2424 R 2425	(B,112,111) (B,136,137)	RS1/16S473J RS1/16S473J	R 2557	(B,137,119) (B,137,121)	RS1/16S473J RS1/16S473J	!
K 2420	(B, 130, 131)	K31/100+100	R 2557 R 2558	(B,137,121) (B,130,120)	RS1/16SS473J RS1/16SS473J	!
D 2426	(D 400 404)	DC4/4600/73	1\ 2000	(B, 130, 120)	KO 1/1000+100	!
R 2426	(B,136,124)	RS1/16SS473J	P 2566	(* 400 40E)	DO4/4600404	
R 2428	(B,116,114) (B,119,105)	RS1/16S0R0J	R 2566	(A,128,105)	RS1/16SS101J	
R 2432	(B,119,105)	RS1/16S473J	R 2567	(A,128,106)	RS1/16SS101J	- 1
R 2433	(B,115,105)	RS1/16S473J	R 2568	(A,128,107)	RS1/16SS101J	!
R 2438	(A,146,111)	RS1/16S181J	R 2569	(B,133,121)	RS1/16S102J	
- 5100		- :::::::::::::::::::::::::::::::::::::	R 2570	(B,130,116)	RS1/16S0R0J	1
R 2439	(B,122,114)	RS1/16S331J	- ,			
R 2440	(A,145,109)	RS1/16S181J	R 2571	(B,146,103)	RS1/16S224J	Į
R 2441	(A,145,107)	RS1/16S223J	R 2572	(B,146,115)	RS1/16S224J	D
R 2444	(A,145,113)	RS1/16S223J	R 2602	(A,161,118)	RS1/8S0R0J	
R 2445	(A,145,104)	RS1/16S102J	R 2603	(B,157,105)	RS1/16S102J	
			R 2604	(B,157,107)	RS1/16S102J	
R 2446	(A,144,115)	RS1/16S102J		•		
R 2447	(B,123,112)	RS1/16S104J	R 2606	(B,162,110)	RS1/16S683J	
R 2448	(B,131,114)	RS1/16S473J	R 2608	(B,161,106)	RS1/16S153J	_
R 2449	(B,129,114)	RS1/16S101J	R 2610	(B,164,104)	RS1/16S0R0J	
R 2450	(B,131,105)	RS1/16S473J	R 2612	(B,170,103)	RS1/16S752J	ļ
•• = •• •	(=,::::,::::,		R 2613	(B,160,110)	RS1/16S683J	
R 2451	(B,151,92)	RS1/16S152J		(0,100,110)	101/100000	
R 2452	(B,128,105)	RS1/16S101J	R 2615	(B,168,103)	RS1/16S394J	
R 2452 R 2459	(A,127,98) (UC)	RS1/16S101J RS1/16S471J	R 2616	(B,168,100)	RS1/16S394J	
N 2400		RS1/16S471J RS1/16S0R0J	R 2617	(B,164,101)	RS1/16S101J RS1/16S105J	_
D 0460	(A,127,98) (EW)					E
R 2460	(B,155,92)	RS1/16S104J	R 2618	(B,162,102)	RS1/16S102J	
5 0404	(5.1.504)	551/4664000D	R 2619	(B,162,100)	RS1/16S472J	
R 2461	(B,147,84)	RS1/16S1202D	7 0000			
R 2462	(B,145,88)	RS1/16S1003D	R 2620	(B,159,102)	RS1/16S152J	
R 2463	(A,130,97)	RS1/16S0R0J	R 2621	(B,159,100)	RS1/16S472J	
R 2464	(A,127,114)	RS1/16S0R0J	R 2622	(B,156,102)	RS1/16S472J	
R 2465	(A,130,117) (UC)	RS1/16SS471J	R 2623	(B,156,100)	RS1/16S472J	_
	(A,130,117) (EW)	RS1/16SS0R0J	R 2624	(B,161,118)	RS1/16S333J	
R 2470	(A,127,101)	RS1/16S0R0J	R 2625	(B,165,116)	RS1/16S683J	
R 2471	(A,130,120)	RS1/16S0R0J	R 2626	(B,163,116)	RS1/16S154J	
R 2472	(B,137,104)	RS1/16S331J	R 2627	(B,162,116)	RS1/16S101J	
R 2473	(B,137,115)	RS1/16S331J	R 2628	(B,133,115)	RS1/16S103J	F
R 2474	(B,152,82)	RS1/16S101J	R 2629	(B,134,104)	RS1/16S103J	•
	(2,102,02)	1.01/1.00.11.1		(2,101,101)	1.011.00.000	
R 2475	(B,140,104)	RS1/16S104J	R 2630	(B,166,114)	RS1/16S473J	
R 2476	(B,140,114)	RS1/16S104J	R 2631	(B,169,113)	RS1/16S473J	
11 27.0	(D, 170, 117)	101/1001010		(D, 100, 110)	101/100-1100	:=0
_	_	6	AVIC-N2/XU/UC	7 -	0	159 <u> </u>
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		cuit Symbol and No.	Part No.	Circ	cuit Symbol and No.	Part No.
	R 2701	(B,49,30)	RS1/16S222J			
	R 2702	(B,58,9)	RS1/16S222J	C 21	(B,148,23)	CKSRYB104K16
Α	R 2706	(B,53,18)	RS1/16S222J	C 22	(B,148,25)	CKSRYB104K16
				C 23	(B,148,30)	CKSRYB104K16
	R 2707	(B,54,23)	RS1/16S102J	C 24	(B,148,41)	CKSRYB104K16
	R 2708	(B,53,27)	RS1/16S102J	C 25	(A,141,37)	CKSRYB104K16
	R 2710	(A,46,20)	RS1/16S102J			
	R 2711	(A,46,25)	RS1/16S102J	C 26	(A,141,66)	CKSRYB104K16
	R 2712	(B,51,19)	RS1/16S103J	C 27	(B,152,18) 10µF	CCG1171
-	_			C 28	(B,157,16)	CKSRYB104K16
	R 2715	(B,35,14)	RS1/16S223J	C 29	(B,163,28)	CKSRYB104K16
	R 2716	(B,43,26)	RS1/16S223J	C 30	(A,158,19)	CKSRYF104Z25
	R 2717	(B,35,13)	RS1/16S472J		(D. 100 TO)	00000110000
	R 2718	(B,39,12)	RS1/16S103J	C 31	(B,132,59)	CCSRCH9R0D50
_	R 2719	(B,39,14)	RS1/16S223J	C 32	(B,132,63)	CCSRCH9R0D50
В	R 2720	(D. 40.40)	DC4/4004701	C 33	(A,136,37)	CKSRYB104K16 CKSRYB104K16
	R 2720 R 2721	(B,40,12)	RS1/16S472J RS1/16S223J	C 35 C 36	(A,136,67) (A,130,66)	CKSRYB104K16
	R 2721	(A,36,15) (A,36,14)	RS1/16S472J	C 30	(A, 130,00)	CROKT DT04KT0
	R 2723	(A,39,15) (EW)	RS1/16S223J	C 38	(A,135,33) 10µF	CCG1171
	R 2724	(A,39,14) (EW)	RS1/16S472J	C 39	(A,127,42)	CKSRYB104K16
		(* 1,00, 1 *) (L v v)	. 10 17 100 17 20	C 40	(A,127,42) (A,127,43)	CKSRYB104K16
	R 2725	(A,43,13) (EW)	RS1/16S103J	C 41	(A,127,51)	CKSRYB104K16
	R 2726	(A,42,15) (EW)	RS1/16S223J	C 42	(B,141,45)	CKSRYB104K16
	R 2727	(A,39,23) (UC)	RS1/16S0R0J	Ų 1 <u>L</u>	(=,···,·•)	2
	R 2729	(A,42,13) (EW)	RS1/16S472J	C 44	(B,137,57)	CKSRYB104K16
	R 2730	(B,33,102)	RS1/16S471J	C 47	(B,145,66)	CKSRYB104K16
		(,, - ,		C 49	(B,144,45)	CKSRYB104K16
С	R 2731	(B,33,99)	RS1/16S471J	C 51	(A,149,37)	CKSRYB224K10
	R 2732	(A,38,25)	RS1/16S332J	C 54	(B,84,38)	CCSRCH121J50
	R 2733	(A,40,25)	RS1/16S332J		, , ,	
	R 7021	(A,122,123)	RS1/16S820J	C 55	(B,148,45)	CKSRYB104K16
	R 7037	(B,145,134)	RS1/16S101J	C 57	(B,152,45)	CKSRYB104K16
				C 60	(B,153,66)	CKSRYB104K16
_	R 7038	(B,144,136)	RS1/16S101J	C 63	(B,158,47)	CKSRYB104K16
	R 7039	(B,121,133)	RS1/16S750J	C 64	(B,158,53)	CKSRYB104K16
	R 7042	(B,114,130)	RS1/16S4701D			
	R 7043	(B,118,127)	RS1/16S4701D	C 66	(B,158,55)	CKSRYB104K16
	R 7044	(B,113,124)	RS1/16S101J	C 67	(B,160,56) 10µF	CCG1171
				C 68	(A,131,36) 22µF	CCG1178
	R 7045	(B,123,120)	RS1/16S102J	C 69	(A,131,34) 22µF	CCG1178
D	R 7046	(B,115,127)	RS1/16S4701D	C 70	(A,131,31) 22µF	CCG1178
	R 7047	(B,118,126)	RS1/16S4701D	a	(D. 100.00)	01/001/5100550
	R 7048	(B,117,116)	RS1/16S563J	C 71	(B,130,62)	CKSRYF103Z50
	R 7049	(B,120,120)	RS1/16S473J	C 72	(B,163,52)	CKSRYF103Z50
	CADACIT	rone.		C 73	(B,162,52)	CKSRYF104Z25
	CAPACIT	IURS		C 74 C 75	(B,158,62) (A,157,18)	CKSRYF104Z25 CKSRYF104Z25
	0.4	(5.400.40)	01/07//04041/40	0 73	(A, 137, 16)	CR3R11104223
	C 1	(B,132,19)	CKSRYB104K16	C 76	(B,132,28)	CKSRYB103K50
	C 2	(B,132,23)	CKSRYB104K16	C 77	(B,139,18)	CKSRYB103K50
	C 3	(B,132,25)	CKSRYB104K16	C 78	(B,146,22)	CKSRYB103K50
	C 4 C 5	(B,132,30)	CKSRYB104K16 CKSRYB104K16	C 79	(B,163,31)	CKSRYB103K50
	U S	(B,132,42)	ONON 1 D 1041/10	C 80	(B,156,18)	CKSRYB103K50
Е	C 6	(A,152,37)	CKSRYB104K16	2 30	√ 11 - 1	
-	C 7	(A,157,45)	CKSRYB104K16	C 81	(B,148,40)	CKSRYB224K10
	C 8	(A,156,50)	CKSRYB104K16	C 82	(B,163,23)	CKSRYB103K50
	C 9	(A,156,53)	CKSRYB104K16	C 96	(B,164,23)	CKSRYB224K10
	C 10	(A,157,56)	CKSRYB104K16	C 97	(B,164,28)	CKSRYB224K10
		(, , , , , , , , , , , , , , , , , , ,		C 98	(B,164,31)	CKSRYB224K10
	C 11	(A,157,61)	CKSRYB104K16			
	C 12	(B,136,18) 10µF	CCG1171	C 101	(A,131,18)	CKSRYB104K16
	C 13	(B,146,26)	CKSRYB104K16	C 102	(A,135,12)	CKSRYB104K16
	C 14	(B,146,30)	CKSRYB104K16	C 103	(A,140,26)	CKSRYB104K16
	C 15	(A,148,37)	CKSRYB104K16	C 104	(A,148,30)	CKSRYB104K16
		,		C 105	(A,156,30)	CKSRYB104K16
	C 16	(A,145,37)	CKSRYB104K16			
F	C 17	(A,147,67)	CKSRYB104K16	C 106	(A,165,30)	CKSRYB104K16
	C 18	(A,145,69)	CCSRCH100D50	C 107	(A,161,34)	CKSRYB104K16
	C 19	(A,143,69)	CCSRCH100D50	C 108	(A,161,42)	CKSRYB104K16
	C 20	(B,149,19)	CKSRYB104K16	C 109	(A,161,51)	CKSRYB104K16
				C 110	(B,106,43) 10μF	CCG1171
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<u>(</u>	Circuit Symbol and No.	Part No.	Circu	uit Symbol and No.	Part No.	
C 111	(B,107,40)	CKSRYB104K16	C 252	(A,90,43) 10µF	CCG1171	
C 112		CKSRYF224Z16	C 253	(A,126,15)	CKSRYF104Z25	Α
C 113	(B,106,28) 10µF	CCG1171	C 255	(A,88,34)	CKSRYB103K50	^
C 114		CKSRYB104K16	C 256	(A,88,28)	CKSRYB103K50	
C 115	(B,107,20)	CKSRYF224Z16	C 257	(A,88,27)	CKSRYB103K50	
C 116	(B,119,65)	CKSRYF104Z25	C 258	(A,88,23)	CKSRYB103K50	
C 117	(B,107,52) 10µF	CCG1171	C 259	(A,88,22)	CKSRYB103K50	
C 118	(B,107,51)	CKSRYB104K16	C 260	(A,88,16)	CKSRYB103K50	
C 119	(B,119,50)	CKSRYF104Z25	C 261	(A,85,9)	CKSRYB103K50	
C 120	(B,109,63)	CKSRYF104Z25	C 262	(A,84,9)	CKSRYB103K50	
C 121	(B,109,58)	CKSRYF104Z25	C 301	(A,141,22)	CKSRYF104Z25	
C 122	(B,104,39)	CKSRYF104Z25	C 302	(A,149,22)	CKSRYB334K10	
C 123	(B,106,55)	CKSRYF103Z50	C 303	(A,142,13)	CKSRYF104Z25	В
C 124	(B,130,41)	CCSRCH101J50	C 306	(A,120,49)	CKSRYF104Z25	
C 125	(A,166,34)	CKSRYF104Z25	C 323	(A,108,57) 10μF	CCG1171	
C 126	(A,166,51)	CKSRYF104Z25	C 324	(A,97,67)	CKSRYB104K16	
C 201	(A,124,39)	CKSRYB104K16	C 327	(A,98,69) 10µF	CCG1171	
C 202	(A,119,43)	CKSRYB104K16	C 328	(A,105,52)	CKSRYB104K16	Ī
C 203 C 204	(A,118,43) (A,122,38)	CKSRYB104K16 CKSRYB104K16	C 329 C 330	(A,103,51) 10µF (A,91,61) 10µF	CCG1171 CCG1171	-
				(, , , , ,		
C 205	(A,112,43)	CKSRYB104K16	C 331	(A,93,61)	CKSRYB104K16	
C 206	(A,106,42)	CKSRYB104K16	C 332	(A,93,64)	CKSRYB104K16	
C 207	(A,100,43)	CKSRYB104K16	C 339 C 341	(A,91,65) 10µF	CCG1171 CCSRCH101J50	
C 208 C 209	(A,97,43) (A,88,38)	CKSRYB104K16 CKSRYB104K16	C 341	(A,161,19) (A,141,15)	CKSRYF104Z25	С
C 209	(A,00,30)	CKSKTB104K10	C 342	(A,141,13)	CR3R11 104223	
C 211	(A,122,35)	CKSRYB104K16	C 344	(B,146,13)	CKSRYF103Z50	
C 213	(A,122,33)	CKSRYB104K16	C 345	(B,145,13)	CKSRYF104Z25	
C 214	(A,124,33)	CKSRYB104K16	C 346	(B,131,13)	CKSRYF103Z50	
C 215	(A,88,36)	CKSRYB104K16	C 347	(B,119,11)	CKSRYF103Z50	
C 216	(A,88,33)	CKSRYB104K16	C 348	(B,118,9)	CKSRYF104Z25	_
C 217	(A,88,31)	CKSRYB104K16	C 349	(B,97,8)	CKSRYF103Z50	
C 220	(A,126,34) 10µF	CCG1171	C 350	(A,94,67)	CKSRYB104K16	
C 221	(A,122,30)	CKSRYB104K16	C 601	(B,54,98)	CKSSYB104K10	
C 222	(A,122,27)	CKSRYB104K16	C 602	(A,35,98)	CKSSYB104K10	
C 223	(A,124,9)	CKSRYB224K10	C 603	(B,44,91)	CKSSYB104K10	D
C 224	(A,122,25)	CKSRYB104K16	C 604	(B,46,91)	CKSSYB104K10	
C 225	(A,124,30)	CKSRYB104K16	C 605	(B,44,95)	CKSSYB104K10	
C 227	(A,88,30)	CKSRYB104K16	C 606	(A,35,94)	CKSRYB104K16	
C 228	(A,88,25)	CKSRYB104K16	C 607	(A,37,86)	CKSSYB104K10	
C 230	(A,127,26)	CCSRCH150J50	C 608	(B,57,96)	CKSSYB104K10	
C 231	(A,128,17)	CCSRCH120J50	C 609	(B,150,133)	CKSRYB104K16	
C 232	(A,122,22)	CKSRYB104K16	C 610	(A,124,90)	CKSSYB104K10	
C 233	(A,122,19)	CKSRYB104K16	C 611	(B,46,93)	CKSSYB104K10	
C 234	(A,88,21)	CKSRYB104K16	C 612	(A,133,87)	CKSSYB104K10	
C 235	(A,88,19)	CKSRYB104K16	C 617	(B,56,89)	CKSQYB225K10	_
C 237	(A,123,16)	CKSRYB104K16	C 620	(B,46,104)	CKSRYF104Z25	E
C 238	(A,123,14)	CKSRYB104K16	C 623	(B,50,88)	CKSSYB104K10	
C 239	(A,88,18)	CKSRYB104K16	C 624	(B,51,104)	CKSRYF104Z25	
C 240	(A,88,15)	CKSRYB104K16	C 626	(B,51,83)	CKSSYB103K16	
C 241	(A,88,13)	CKSRYB104K16	C 630	(A,33,98)	CCSRCH101J50	
C 242	(A,116,9)	CKSRYB104K16	C 636	(A,24,83)	CKSRYF104Z25	
C 243	(A,113,9)	CKSRYB104K16	C 637	(A,26,98)	CKSRYF104Z25	
C 244	(A,109,9)	CKSRYB104K16	C 638	(B,18,105)	CKSRYF104Z25	
C 245 C 246	(A,106,9) (A,103,9)	CKSRYB104K16 CKSRYB104K16	C 639 C 640	(A,28,104) (B,28,99)	CKSRYF104Z25 CKSRYF104Z25	
C 247	(A,98,9)	CKSRYB104K16	C 642	(B,17,100)	CKSRYF104Z25	F
C 248	(A,93,9)	CKSRYB104K16	C 643	(B,27,97)	CKSRYF104Z25	
C 249 C 250	(A,88,10) 10µF (A,108,44) 10µF	CCG1171 CCG1171	C 644 C 645	(A,28,121) (A,28,112) 10µF	CKSRYF104Z25 CCG1173	
C 250	(A,106,44) 10µF (A,124,27) 10µF	CCG1171 CCG1171	C 645 C 647	(A,19,113) 10µF	CCG1173	
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	<u>Cir</u>	cuit Symbol and No.	Part No.	Circ	cuit Symbol and No.	Part No.
	C 648	(A,48,121)	CKSRYF104Z25	C 782	(A,109,121)	CKSRYB104K16
Α	C 670	(A,39,86)	CKSSYB104K10	C 783	(A,106,116)	CEVW101M16
	C 671	(A,35,99)	CKSSYB104K10	C 784	(A,105,121)	CKSRYB103K50
	C 672	(A,35,96)	CKSSYB104K10	C 785	(B,104,119)	CKSQYB225K10
	C 673	(B,41,106)	CKSSYB104K10	C 786	(A,120,116)	CEVW101M16
	C 675	(A,138,86)	CKSSYB104K10	C 787	(A,114,116)	CEVW220M6R3
	C 691	(B,157,152)	CKSRYB102K50	C 788	(B,88,105)	CKSRYB104K16
-	C 692	(B,157,143)	CKSRYB104K16	C 790	(B,78,117)	CKSRYB104K16
	C 693 C 694	(B,160,146) (B,159,142)	CKSQYB105K16 CKSQYB105K16	C 791 C 792	(B,77,115) (B,100,122)	CKSYF106Z10 CKSRYB104K16
		(B, 100, 142)	OKOQ 1 B 100K10		(B,100,122)	OKOKI BIOTIKIO
	C 695	(B,167,149)	CKSQYB105K16	C 793	(B,102,123)	CKSYF106Z10
_	C 696	(B,172,152)	CKSRYB102K50	C 794	(B,108,121)	CKSYF106Z10
В	C 697 C 698	(B,161,136) (B,164,136)	CKSQYB105K16 CKSQYB105K16	C 795 C 796	(A,80,103) (A,76,101)	CKSQYB225K10 CKSQYB225K10
	C 699	(B,170,135)	CKSRYB102K50	C 797	(B,88,107) 10µF	CCG1171
	C 700	(B,167,135)	CKSRYB102K50	C 798	(B,109,118)	CKSRYB104K16
	C 701	(B,169,135)	CKSRYB102K50	C 799	(B,75,112)	CKSRYB104K16
_	C 702	(B,166,135)	CKSRYB102K50	C 800	(B,96,118)	CKSRYB104K16
	C 706	(B,60,151)	CKSRYB104K25	C 801	(B,29,31)	CKSRYB103K50
	C 732	(B,154,144)	CKSRYB102K50	C 802	(A,30,28)	CEVW101M16
	C 733	(B,151,144)	CKSRYB102K50	C 803	(B,26,80)	CKSQYB225K10
	C 734	(B,148,134)	CKSRYB102K50	C 804	(A,42,32)	CEVW101M16
	C 735	(B,142,139)	CKSRYB102K50	C 805	(B,50,37)	CKSRYB103K50
С	C 736 C 737	(B,135,148)	CKSRYF104Z25 CKSRYF104Z25	C 806 C 807	(B,63,78) (A,65,83)	CKSRYB103K50 CEVW470M16
	C 131	(A,131,133)	CK3K1F104Z23	C 807	(A,03,03)	CEVVV470IVIT6
	C 738	(A,128,133)	CKSRYF104Z25	C 808	(B,69,79)	CKSRYF334Z16
	C 739	(B,133,152)	CKSRYF104Z25	C 809	(A,124,134)	CKSRYB103K50
	C 740 C 741	(B,135,152)	CKSRYF104Z25 CKSRYF104Z25	C 810 C 811	(A,121,129)	CEVW101M16
	C 741	(B,138,151) (B,86,89)	CKSSYB103K16	C 812	(A,68,72) (A,44,81)	CKSRYF104Z25 CKSRYB103K50
					, , ,	
	C 749	(B,87,92)	CKSQYB225K10	C 813	(A,49,82)	CEVW101M16
	C 751 C 752	(B,104,96)	CKSRYB104K16	C 814	(A,32,88)	CEVW101M16
	C 752	(B,102,96) (B,100,96)	CKSRYB104K16 CKSRYB104K16	C 815 C 816	(A,92,54) (A,97,53)	CKSRYB103K50 CEVW101M16
D	C 754	(B,99,94)	CCSRCH5R0C50	C 817	(B,9,54)	CKSRYB473K50
D						
	C 755	(B,94,96)	CCSRCH470J50	C 818	(B,12,70)	CKSRYB103K50 CCSRCH101J50
	C 756 C 757	(B,95,96) (A,93,96)	CKSRYF104Z25 CEVQW470M16	C 819 C 820	(B,10,68) (B,8,68)	CKSRYB224K16
	C 758	(B,92,92)	CKSRYB105K6R3	C 820	(B,31,48)	CKSRYB473K50
	C 761	(B,95,108)	CCSRCH220J50	C 822	(B,28,52)	CCSRCH101J50
	C 762 C 763	(A,87,96) (B,92,108)	CEVW100M16 CKSRYF104Z25	C 823 C 824	(B,26,52) (B,31,69)	CKSRYB104K16 CKSRYB223K50
	C 763	(A,101,105)	CEVW221M4	C 824	(B,28,65)	CCSRCH101J50
	C 765	(A,94,105)	CEVW221M4	C 826	(B,26,64)	CKSRYB104K16
	C 766	(A,86,105)	CEVW221M4	C 827	(B,66,49)	CKSRYB153K50
Е	C 767	(A,111,104)	CEVW221M4	C 828	(B,63,51)	CCSRCH101J50
	C 768	(B,98,108)	CKSRYB105K6R3	C 829	(B,61,52)	CKSRYB104K16
	C 769	(A,99,96)	CEVQW470M16	C 830	(B,66,68)	CKSRYB153K50
	C 770	(B,94,93)	CKSRYB104K16	C 831	(B,63,65)	CCSRCH101J50
	C 771	(A,102,120)	CKSRYB104K16	C 832	(B,61,65)	CKSRYB104K25
	C 772	(A,99,116)	CEVW101M16	C 833	(B,13,70)	CCSRCH330J50
	C 773	(B,85,120)	CKSQYB225K10	C 834	(B,16,70)	CKSRYB105K10
	C 774 C 775	(B,92,121) (A,96,121)	CKSQYB225K10 CKSRYB103K50	C 835 C 836	(B,20,70) 4.7µF (B,16,59)	CCG1111 CKSRYF104Z25
	C 776	(B,106,109)	CKSQYB225K10	C 837	(B, 16,59) (B, 9,64)	CKSYB475K16
F	C 777	(A,86,116)	CEVW101M16	C 838	(B,12,59)	CKSRYF474Z16
Ι΄.	C 778	(A,92,115)	CEVW220M6R3	C 839	(A,15,45) 220µF/10V	CCH1409
	C 779	(B,83,114)	CKSYF106Z10	C 840	(A,17,61) 10µF	CCG1173
	C 780	(B,88,109)	CKSQYB225K10	C 841	(B,25,72) 4.7µF	CCG1111
	C 781	(B,81,115)	CKSQYB225K10	C 842	(B,26,55)	CKSRYB103K50
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Circuit Symbol and No.	Part No.	<u>Circ</u>	uit Symbol and No.	Part No.	
C 843 (B,26,57)	CCSRCH470J50	C 909	(A,96,134)	CKSRYF104Z25	А
C 844 (B,26,60)	CKSRYB105K10	C 910	(B,59,134)	CKSRYB104K25	
C 845 (B,26,62)	CKSRYB103K50	C 914	(A,82,145)	CKSRYF104Z25	
C 846 (B,64,72) 4.7μF	CCG1111	C 916	(B,54,132)	CKSQYB104K25	
C 847 (B,61,55)	CKSRYB103K50	C 918	(B,29,26)	CKSRYB103K50	
C 848 (B,61,56)	CCSRCH470J50	C 919	(B,70,93)	CKSRYB104K25	•
C 849 (B,61,59)	CKSRYB105K10	C 920	(B,118,141)	CKSRYF104Z25	
C 850 (B,61,62)	CKSRYB103K50	C 950	(B,19,55) 4.7µF	CCG1111	
C 851 (A,20,57) 10µF	CCG1173	C 951	(B,19,52) 4.7µF	CCG1111	
C 852 (B,19,49) 4.7µF	CCG1111	C 953	(B,34,49) 4.7µF	CCG1111	
C 853 (B,34,53)	CKSRYF474Z16	C 954	(A,32,51) 10µF	CCG1173	В
C 854 (B,31,52)	CKSRYF104Z25	C 955	(B,35,68) 4.7µF	CCG1111	
C 855 (B,31,64)	CKSRYF104Z25	C 956	(A,32,56) 10µF	CCG1173	
C 856 (B,35,64)	CKSRYF474Z16	C 957	(A,65,56) 10µF	CCG1173	
C 857 (B,27,46)	CKSYB475K16	C 958	(A,65,51) 4.7µF	CCG1111	
C 858 (B,69,53)	CKSRYF474Z16	C 959	(A,68,56) 10μF	CCG1173	•
C 859 (B,66,52)	CKSRYF104Z25	C 960	(A,68,51) 4.7μF	CCG1111	
C 860 (B,66,66)	CKSRYF104Z25	C 961	(A,82,150)	CKSRYF104Z25	
C 861 (B,69,64)	CKSRYF474Z16	C 962	(A,33,95)	CKSRYB103K50	
C 862 (B,69,44)	CKSYB475K16	C 963	(B,54,149)	CKSRYB104K25	
C 863 (B,77,123)	CKSRYF104Z25	C 964	(B,54,150)	CKSRYB105K10	С
C 865 (A,27,54) 10μF	CCG1173	C 971	(B,16,128)	CKSRYB222K50	
C 868 (B,38,49) 4.7μF	CCG1111	C 972	(B,17,130)	CKSRYB474K10	
C 869 (A,49,54) 330μF/6.3V	CCH1366	C 973	(B,8,122)	CKSQYB105K16	
C 870 (B,39,68) 4.7μF	CCG1111	C 974	(A,13,115)	CKSQYB103K50	
C 871 (A,49,63) 220µF/10V	CCH1409	C 975	(A,19,124)	CEVQW470M16	•
C 872 (A,61,55) 10µF	CCG1173	C 981	(B,74,78)	CKSRYB103K50	
C 873 (A,61,52) 10µF	CCG1173	C 982	(B,71,78)	CKSRYF104Z25	
C 875 (B,73,68) 4.7µF	CCG1111	C 983	(B,75,35)	CKSRYB103K50	
C 876 (A,84,54) 330µF/6.3V	CCH1366	C 984	(B,73,35)	CKSRYF104Z25	
C 877 (B,72,50) 4.7μF	CCG1111	C 985	(B,64,35)	CKSRYB103K50	D
C 878 (A,86,65) 330μF/6.3V	CCH1366	C 986	(B,62,35)	CKSRYF104Z25	
C 879 (A,80,127) 220μF/25V	CCH1356	C 987	(A,92,82)	CKSRYB103K50	
C 880 (B,87,141)	CKSQYB104K16	C 988	(A,93,82)	CKSRYF104Z25	
C 881 (A,82,137) 2200μF	CCH1405	C 989	(A,92,84)	CKSRYB103K50	
C 882 (A,106,130)	CEVW101M16	C 990	(A,93,84)	CKSRYF104Z25	•
C 883 (B,34,88)	CKSRYB103K50	C 2019	(B,158,103)	CKSRYB104K16	
C 884 (A,74,83)	CEVW101M16	C 2404	(B,117,89)	CKSRYB104K16	
C 885 (A,70,91)	CKSRYF104Z25	C 2407	(B,114,92)	CKSRYB104K16	
C 887 (A,77,88)	CKSRYF104Z25	C 2412	(A,130,128)	CEVW101M16	
C 888 (B,108,140)	CKSRYB103K50	C 2413	(B,131,136)	CKSRYB105K10	•
C 889 (B,112,140)	CKSRYB103K50	C 2414	(B,130,125)	CKSRYB105K10	
C 890 (B,115,140)	CKSRYF104Z25	C 2418	(B,108,105)	CKSRYB105K6R3	
C 891 (B,148,121)	CKSRYF104Z25	C 2419	(B,133,136)	CCSRCH330J50	
C 892 (B,69,98)	CKSRYB103K50	C 2420	(B,133,125)	CCSRCH330J50	
C 893 (A,60,103)	CEVW101M16	C 2421	(B,111,105)	CKSRYB103K50	E
C 894 (B,61,105)	CKSRYB103K50	C 2422	(B,139,137)	CCSRCH151J50	
C 895 (B,31,88)	CKSRYB104K16	C 2423	(B,139,123)	CCSRCH151J50	
C 896 (A,117,136)	CKSRYB103K50	C 2424	(B,112,108)	CCSRCH221J50	
C 897 (A,114,129)	CEVW101M16	C 2425	(B,136,135)	CCSRCH330J50	
C 898 (A,84,123)	CKSQYB104K16	C 2426	(B,135,125)	CCSRCH330J50	•
C 899 (A,88,128) 220μF/25V	CCH1356	C 2431	(B,112,113)	CCSRCH471J50	
C 900 (B,90,133)	CKSQYB104K16	C 2432	(B,138,130)	CKSRYF104Z25	
C 901 (B,99,140)	CKSRYB103K50	C 2433	(A,138,127)	CEVQW220M16	
C 902 (A,98,127)	CEVW101M16	C 2434	(B,138,134)	CKSRYB105K6R3	
C 903 (A,152,128) 10000μF/16\	CCH1412	C 2435	(B,138,127)	CKSRYB105K6R3	F
C 905 (A,68,103)	CEVW101M16	C 2436	(B,119,114)	CKSRYB105K6R3	
C 906 (A,58,110)	CKSRYB104K16	C 2437	(A,151,106)	CKSRYB102K50	
C 907 (A,58,112)	CKSRYB473K50	C 2441	(A,144,104)	CKSRYB105K6R3	
C 908 (B,61,134)	CKSRYF103Z50	C 2442	(B,138,125)	CKSRYB105K6R3	
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	Circ	cuit Symbol and No.	Part No.		Circui	t Symbol and No.	Part No.
Α	C 2443 C 2444 C 2445	(B,138,133) (A,144,110) (A,147,98)	CKSRYB105K6R3 CKSRYB105K6R3 CEVW470M16	C 25 C 25 C 25	507 (A,18,130) (B,39,141) (B,39,139)	CEVW100M16 CKSYB475K16 CKSYB475K16
	C 2446 C 2447	(A,145,102) (A,148,102)	CKSRYB105K6R3 CKSRYB104K16	C 25	509 ((A,52,130) (A,46,138)	CEVW330M25 CKSRYB473K50
	C 2448 C 2449 C 2450	(A,143,112) (B,126,111) (A,118,108)	CKSRYB105K6R3 CKSRYB105K6R3 CEVQW220M16	C 25 C 25 C 25	552 (B,170,117) (A,13,143) (A,7,143)	CKSRYF104Z25 CCSRCH150J50 CKSRYB104K16
	C 2451 C 2452	(B,132,109) (B,146,92)	CKSRYF104Z25 CKSRYB105K6R3	C 25 C 25	554 (A,10,143) A,12,145)	CKSQYB225K10 CKSSYB104K10
	C 2453 C 2456	(A,141,97) (A,141,117)	CKSYB475K16 CKSYB475K16	C 25 C 25	557 (B,131,120) B,130,118)	CKSSYB104K10 CKSSYB103K16
В	C 2457 C 2458 C 2459	(A,139,97) (A,139,117) (A,136,97)	CKSYB475K16 CKSYB475K16 CKSYB475K16	C 25 C 26 C 26	603 ((B,137,118) (A,162,109) (B,159,109)	CKSRYB103K50 CEVQW220M16 CKSRYB473K50
	C 2460 C 2461	(A,136,117) (B,156,92)	CKSYB475K16 CKSRYB332K50	C 26 C 26	606 (B,161,108) B,165,104)	CKSRYB473K50 CKSRYB333K50
	C 2462 C 2463 C 2464	(A,133,97) (A,133,117) (B,153,92)	CKSYB475K16 CKSYB475K16 CKSRYB474K10	C 26 C 26 C 26	808 (B,168,102) B,168,105) B,169,109)	CKSRYB105K6R3 CCSRCH471J50 CKSRYF104Z25
	C 2465 C 2466	(B,150,89) (A,127,109)	CKSRYB104K16 CKSRYB104K16	C 26	,	(A,167,109) B,167,100)	CEVQW220M16 CKSRYB105K6R3
С	C 2467 C 2468	(A,127,111) (A,127,112)	CKSRYB104K16 CCSRCH100D50	C 26	612 ((B,159,118) (B,167,117)	CKSRYB474K10 CCSRCH471J50
	C 2469	(B,150,86)	CKSRYB104K16	C 26	,	B,164,114)	CCSRCH680J50
	C 2470 C 2471	(A,127,95) (B,147,83)	CCSRCH100D50 CKSRYB104K16	C 26 C 26		B,159,117) B,167,115)	CKSRYB105K6R3 CKSRYB105K6R3
	C 2472 C 2473	(A,130,115) (B,148,86)	CCSRCH100D50 CKSRYB104K16	C 26 C 26		B,121,95) B,119,111)	CKSRYB104K16 CKSRYF104Z25
	C 2474	(A,127,97)	CCSRCH100D50	C 26	621 (B,32,121)	CKSSYF104Z16
	C 2475 C 2476	(A,129,118) (A,127,100)	CCSRCH100D50 CCSRCH100D50	C 26 C 27	,	(B,115,103) (B,33,13)	CKSQYB105K10 CKSRYB104K16
	C 2477 C 2478	(B,136,104) (B,136,115)	CKSRYB105K6R3 CKSRYB105K6R3	C 27 C 27		B,40,26) B,36,20)	CKSRYB103K50 CKSRYB104K16
D	C 2479	(A,158,88)	CEVW101M16	C 27	,	B,42,30)	CKSRYF104Z25
	C 2480 C 2481	(A,124,102) (A,150,88)	CEVW100M16 CEVW101M16	C 27 C 27	,	B,40,20) A,36,20)	CKSRYB104K16 CKSRYB104K16
	C 2482	(B,155,82)	CKSRYB222K50	C 27	710 (A,39,20) (EW)	CKSRB104K16
	C 2483 C 2484	(B,137,100) 10µF (B,140,103)	CCG1138 CKSRYB105K6R3	C 27 C 27		B,40,88) B,36,103)	CKSRYF104Z25 CKSRYB102K50
	C 2485	(B,141,118) 10µF	CCG1138	C 27	,	(A,43,20) (EW)	CKSRB104K16
	C 2486 C 2487	(B,140,115) (B,143,104)	CKSRYB105K6R3 CCSRCH101J50	C 70 C 70	,	(A,68,114) (B,117,132)	CKSRYF104Z25 CKSYB106K6R3
	C 2488 C 2489	(B,143,114) (B,133,100)	CCSRCH101J50 CKSRYB104K16	C 70 C 70		B,121,129) B,115,126)	CKSYB106K6R3 CCSRCK1R0C50
E	C 2490	(B,148,104)	CCSRCH101J50	C 70		(B,121,120)	CKSRYB105K10
	C 2491 C 2492	(B,149,114) (B,151,108)	CCSRCH101J50 CKSRYB104K16	C 70 C 70		B,112,120) B,114,119)	CKSYF106Z10 CKSRYB104K16
	C 2493 C 2494	(A,154,104) (B,34,125)	CEVW100M16 CKSRYB105K10	C 70 C 70)21 (A,125,123) B,85,114)	CCSRCH102J50 CKSRYB104K16
	C 2495 C 2496	(B,29,140) (B,34,127)	CKSRYB105K10 CKSRYB105K10	C 70	·	B,91,115)	CKSRYB104K16
	C 2497	(B,31,140)	CKSRYB105K10		her Tun		
	C 2498 C 2499	(B,30,138) (B,38,126)	CKSRYB105K10 CKSRYB105K10		sists of v PCB	Ī	
F	C 2500	(B,33,138)	CKSRYB105K10	Moth	her PCE		
	C 2501 C 2503	(B,37,126) (A,65,125) 2200µF/16V	CKSRYB105K10 CCH1405	Con	nector	<u>PCB</u>	
	C 2504 C 2505	(A,72,131) 10µF (B,42,139)	CCG1138 CKSRYB104K25				
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	cuit Symbol and No.	Part No.	<u>Circ</u> Q 1951	uit Symbol and No. (B,111,85) Transistor	Part No. 2SD2098	
	mber:CWM9946(A me:Mother Tuner (Q 1952 Q 2801 Q 2831	(B,109,45) Transistor (A,90,25) Transistor (B,39,12) Transistor	2SD2098 2SC4081 DTC323TU	А
MISCELL	ANEOUS		Q 2832 Q 2833	(B,41,8) Transistor (B,32,8) Transistor	DTC323TU DTC323TU	
IC 1001	(A,129,43) IC	NJM2137V	Q 2844	(B,34,12) Transistor	DTC323TU	•
IC 1002	(B,106,27) IC	TA2050FS1	Q 2845	(B,29,12) Transistor	DTC323TU	
IC 1101	(A,105,116) IC	HA12240FP	Q 2846	(B,27,8) Transistor	DTC323TU	
IC 1102	(A,113,109) IC	TA2050FS1	Q 2886	(B,87,26) Transistor	2SC4081	
IC 1201	(A,31,118) IC	NJM2137V	D 1001	(B,138,10) Diode	UDZS6R8(B)	
IC 1301	(B,92,25) IC	TA2050FS1	D 1002	(B,138,17) Diode	UDZS6R8(B)	В
IC 1302	(A,77,21) IC	NJM2137V	D 1003	(B,140,11) Diode	UDZS6R8(B)	
IC 1352	(A,61,11) IC	NJM2137V	D 1004	(B,135,15) Diode	UDZS6R8(B)	
IC 1401	(A,53,79) IC	NJM2391DL1-33	D 1005	(B,136,9) Diode	UDZS6R8(B)	
IC 1402	(A,51,107) IC	NJM4558E	D 1006	(B,140,17) Diode	UDZS6R8(B)	
IC 1501	(A,76,36) IC	CXA2069Q	D 1007	(B,133,15) Diode	UDZS6R8(B)	•
IC 1551	(A,97,43) IC	NJM2561F1	D 1008	(B,133,8) Diode	UDZS6R8(B)	
IC 1552	(A,71,58) IC	NJM2561F1	D 1009	(B,131,15) Diode	UDZS6R8(B)	
IC 1601	(A,83,81) IC	TC7SH04FUS1	D 1010	(B,131,7) Diode	UDZS6R8(B)	
IC 1603	(A,83,100) IC	PE5412B	D 1011	(B,129,15) Diode	UDZS6R8(B)	
IC 1604	(A,94,87) IC	TC7SH08FUS1	D 1012	(B,131,23) Diode	UMZ6R8N	С
IC 1605	(A,100,90) IC	TC7SH08FUS1	D 1013	(B,135,22) Diode	MA153	
IC 1607	(A,92,117) IC	TC7SH08FUS1	D 1014	(B,126,23) Diode	UMZ6R8N	
IC 1608	(A,71,95) IC	TC7SH04FUS1	D 1015	(B,123,22) Diode	UMZ6R8N	
IC 1821	(A,18,123) IC	NJM2904M	D 1016	(B,126,16) Diode	UDZS6R8(B)	
IC 1871	(A,146,80) IC	S-812C33AMC-C2N	D 1017	(B,126,9) Diode	UDZS6R8(B)	•
IC 1872	(A,153,88) IC	S-L2980A50MC-C7J	D 1018	(B,124,17) Diode	UDZS6R8(B)	
IC 1901	(A,166,84) IC	NJM2391DL1-33	D 1019	(B,122,8) Diode	UMZ6R8N	
IC 1902	(B,164,61) IC	M5237ML	D 1020	(B,118,9) Diode	UMZ6R8N	
Q 1101	(A,121,108) Transistor	DTC124EU	D 1021	(B,121,18) Diode	UMZ6R8N	
Q 1102	(A,120,115) Transistor	2SA1576	D 1022	(B,117,17) Diode	UMZ6R8N	D
Q 1201	(A,135,41) Transistor	2SA1037K	D 1023	(B,128,9) Diode	UDZS6R8(B)	
Q 1202	(A,136,45) Transistor	2SC2412K	D 1101	(B,116,119) Diode	UMZ6R8N	
Q 1551	(B,80,44) Transistor	2SA1576	D 1102	(B,115,132) Diode	UMZ6R8N	
Q 1552	(B,67,39) Transistor	2SA1576	D 1103	(B,105,129) Diode	DAN202U	
Q 1555	(B,73,51) Transistor	2SC2412K	D 1104	(B,105,133) Diode	DAP202U	
Q 1556	(B,71,46) Transistor	2SC2412K	D 1201	(A,138,35) Diode	1SS355	
Q 1557	(A,76,57) Transistor	2SC2412K	D 1202	(A,137,49) Diode	1SS355	
Q 1558	(B,92,48) Transistor	2SC2412K	D 1203	(A,54,124) Diode	HZU12(B2)	
Q 1559	(B,63,50) Transistor	FMG12	D 1204	(A,56,124) Diode	HZU12(B2)	
Q 1581	(B,59,85) Transistor	2SA1037K	D 1205	(A,43,124) Diode	HZU12(B2)	E
Q 1582	(B,59,91) Transistor	2SC4081	D 1206	(A,49,124) Diode	HZU12(B2)	
Q 1583	(B,65,88) Transistor	2SC4081	D 1207	(A,32,131) Diode	UMZ6R8N	
Q 1601	(B,114,101) Transistor	2SC2412K	D 1208	(A,35,131) Diode	UMZ6R8N	
Q 1607	(A,68,109) Transistor	2SC4081	D 1301	(B,108,19) Diode	UMZ6R8N	
Q 1821	(B,16,118) Transistor	DTC114EU	D 1302	(B,93,14) Diode	UMZ6R8N	
Q 1822	(B,21,134) Transistor	DTC114WK	D 1303	(B,70,12) Diode	UMZ6R8N	
Q 1871	(B,150,86) Transistor	DTC114EU	D 1304	(B,70,15) Diode	UMZ6R8N	
Q 1872	(B,146,83) Transistor	2SA1037K	D 1353	(B,50,8) Diode	UMZ6R8N	
Q 1881	(A,9,126) Transistor	DTC114EU	D 1354	(B,48,16) Diode	UMZ6R8N	
Q 1901	(A,78,77) Transistor	2SA1036K	D 1401	(A,51,73) Diode	1SR154-400	
Q 1902	(B,136,42) Transistor	2SA1036K	D 1402	(A,51,70) Diode	1SR154-400	
Q 1903	(A,81,71) Transistor	DTC114EK	D 1403	(A,52,66) Diode	1SR154-400	
Q 1904	(B,146,41) Transistor	DTC114EK	D 1551	(B,101,46) Diode	MA153	
Q 1905	(B,165,34) Transistor	2SB1260	D 1552	(B,69,61) Diode	MA153	
Q 1906 Q 1907 Q 1908 Q 1909	(B,158,39) Transistor (A,172,61) Transistor (A,173,42) Transistor (A,173,72) Transistor	DTC114EK 2SB1629 2SD2396 2SD2396	D 1553 D 1580 D 1581 D 1582 VIC-N2/XU/UC	(A,60,54) Diode (A,70,89) Diode (B,64,92) Diode (B,67,84) Diode	DAP202U MA111 DAN202U UDZS8R2(B)	F
•	5	6	W10-142/X0/0C	7 -	8	165 ■

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	Circ	uit Symbol and No.	Part No.		Circu	ıit Symbe	ol and No.	Part No.
	D 1602	(B,110,102) Diode	DAN202U	ı	1405	(A,56,92) I		LCYA1R0J2520
	D 1602	(B,110,102) Diode	DAN2020	L	1405	(A,50,92) I	riductor	LC TATROJ2520
Α	D 1821	(A,9,121) Diode	S1G-6904G2P	L	1406	(B,59,61) I	nductor	LCTAW1R0J2520
,,	D 1822	(A,12,125) Diode	UDZS18(B)	L	1501	(A,81,58) I	nductor	LCYA100J2520
	D 1823	(A,14,125) Diode	UDZS18(B)		1551	(B,82,55) I		LCTAW101J2520
	D 1824	(A,19,115) Diode	1SS355		1552	(B,90,52) I		LCTAW100J2520
	D 1871	(B,140,87) Diode	UDZS5R6(B)	L	1553	(B,103,41)	Inductor	LCTAW100J2520
	D 1881	(B,10,115) Diode	UDZS18(B)	1	1554	(B,75,62) I	nductor	LCTAW100J2520
	D 1882	(A,58,116) Diode	1SS355		1555	(B,83,58) I		LCTAW100J2520
	D 1883	(B,10,126) Diode	UDZS6R8(B)		1601	(A,89,80) I		CTF1379
	D 1884	(B,142,110) Diode	RB500V-40		1602	(B,71,95) I		CTF1379
	D 1902	(B,168,42) Diode	HZU9R1(B3)	L	1603	(A,98,95) I	nductor	CTF1379
	_							
	D 1903	(B,168,71) Diode	UDZS5R6(B)		1604	(A,69,105)		CTF1379
В	D 1950	(B,105,84) Diode	UDZS13(B)		1766	(A,80,115)		CTF1379
	D 1951 D 2801	(B,114,44) Diode (B,26,33) Diode	UDZS5R6(B) UDZS6R8(B)		1821 1841	(A,8,117) I (A,146,114		CTF1306 CTF1334
	D 2802	(B,22,35) Diode (B,22,35) Diode	UDZS6R8(B)		1842	(B,148,109	,	CTF1334
	D 2002	(B,22,00) Blode	0D2001(0(D)	-	1042	(D, 140, 100)	, madotoi	011 1004
	D 2811	(B,96,36) Diode	UDZS10(B)	L	1849	(B,156,116) Inductor	CTF1393
_	D 2812	(B,102,36) Diode	UDZS10(B)	L	1850	(A,161,113) Inductor	CTF1334
	D 2813	(B,76,28) Diode	UDZS5R6(B)		1851	(B,150,100)		CTF1334
	D 2814	(B,76,26) Diode	UDZS5R6(B)		1852	(B,140,108)	,	CTF1306
	D 2886	(B,73,35) Diode	S1G-6904G2P	L	1853	(B,132,100)) Inductor	CTF1306
	D 2887	(B,73,32) Diode	S1G-6904G2P		1861	(B,170,106	\ Inductor	CTF1334
	ZNR1401	(A,18,34) Surge Protector	RCCA-201Q31UA-PI		1862	(B,170,100) (B,170,96)		CTF1334
•	L 1001	(A,141,33) Inductor	CTF1334		1871	(B,170,30) (B,152,79)		CTF1334
С	L 1002	(A,142,33) Inductor	CTF1334		1872	(A,166,90)		CTF1393
	L 1003	(A,142,36) Inductor	CTF1334		1873	(B,158,88)		CTF1393
	L 1004	(A,143,36) Inductor	CTF1334		1881	(B,10,117)		CTF1306
	L 1005	(A,133,31) Inductor	CTF1306		2811	(B,98,34) I		CTF1557
	L 1006 L 1007	(A,135,31) Inductor (A,136,31) Inductor	CTF1306 CTF1306		2812 2813	(B,99,22) I (B,42,19) I		CTF1557 CTF1334
	L 1007	(A,136,33) Inductor	CTF1306		2814	(B,42,13) I		CTF1334
	000	(x, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,				(=, ,) .		
	L 1009	(A,116,21) Inductor	CTF1306	L :	2831	(A,36,16) I	nductor	CTF1306
	L 1010	(A,118,21) Inductor	CTF1306		2832	(A,20,22) I		CTF1306
	L 1011	(A,118,25) Inductor	CTF1306		2833	(A,23,21) I		CTF1306
D	L 1012	(A,117,28) Inductor	CTF1306		2834	(A,33,20) I		CTF1306
	L 1013	(A,121,30) Inductor	CTF1334	L.	2835	(A,23,23) I	nauctor	CTF1306
	L 1014	(A,122,30) Inductor	CTF1334	L :	2836	(A,21,21) I	nductor	CTF1306
	L 1015	(A,124,30) Inductor	CTF1334		2851	(B,71,21) I		CTF1334
	L 1016	(A,123,22) Inductor	CTF1382	L:	2852	(B,75,21) I		CTF1334
	L 1017	(A,127,21) Inductor	CTF1334	L :	2853	(B,79,20) I	nductor	CTF1334
	L 1018	(A,127,26) Inductor	CTF1382	L :	2854	(B,71,19) I	nductor	CTF1334
	L 1019	(A 100.06) Industor	CTF1382		2855	(D 75 40) I	n du atar	CTF1334
	L 1019 L 1020	(A,128,26) Inductor (A,130,29) Inductor	CTF1302 CTF1334		2856	(B,75,19) I (B,79,18) I		CTF1334
	L 1020	(A,132,34) Inductor	CTF1334		2857	(B,88,11) I		CTF1334
	L 1022	(A,128,21) Inductor	CTF1334		2859	(A,93,17) I		CTF1334
Е	L 1026	(B,122,41) Inductor	CTF1399		2861	(B,75,23) I		CTF1334
	L 1101	(A,105,108) Inductor	LCYA2R2J2520		2862	(B,82,28) I		CTF1334
	L 1102	(A,112,118) Inductor	CTF1334		2886	(B,82,25) I		CTF1295
	L 1103 L 1104	(A,113,118) Inductor	CTF1334 CTF1334		1601 1551	,	Radiator 12.58MHz	
	L 1104 L 1105	(A,117,118) Inductor (A,115,118) Inductor	CTF1334 CTF1334		FU1202	(A,44,118)	Semi-fixed 10kΩ(B)	CEK1288
	L 1103	(A,113,110) inductor	011 1334	(<u>.</u>)	1 0 1202	(7,44,110)	1 436 47	OLIVI200
	L 1201	(A,35,113) Inductor	CTF1399	\triangle	FU1703	(A,86,122)	Fuse 4A	CEK1288
	L 1301	(B,82,26) Inductor	CTF1399		FU1704	(A,68,124)	Fuse 4A	CEK1288
	L 1302	(B,90,18) Inductor	CTF1334		FU1951	(A,118,87)	Fuse 2A	CEK1284
	L 1303	(B,86,12) Inductor	CTF1334		FU2801	(A,24,20) F		CEK1289
	L 1304	(B,103,18) Inductor	CTF1334	Υ	1401	(A,46,44) F	FM/AM Tuner Unit	CWE1651
F	1 4005	(D 404 40) landour (= =	OTE4224	<u></u>	(4000	/A 100 110	\ Cong	CCV4070
	L 1305	(B,101,12) Inductor	CTF1334		′1863 ′1865	(A,169,113		CSX1078
	L 1351 L 1401	(A,67,21) Inductor (B,40,45) Inductor	CTF1399 LCTAW4R7J2520		′1865 1001	(A,167,101 (A,139,32)	,	CSX1074 CCG1082
	L 1401 L 1403	(B,40,45) Inductor (B,51,79) Inductor	LCTAW1R0J2520		1201	(A,139,32) (A,30,131)		CCG1062 CCG1067
	166	(3,0.,) 11100001		N2/XU/UC		,,50,101)		
		1 =	2		3		_	4

	5	6	-	7	8	•
Cir	cuit Symbol and No.	Part No.	Circ	uit Symbol and No.	Part No.	
EF1301	(A,74,17) EMI Filter	CCG1067	5	(4.00.04)	201//20221	
EE4054	(4.50.40) 514 514	0004007	R 1301	(A,82,21)	RS1/16S563J	
EF1351	(A,52,10) EMI Filter	CCG1067	R 1302	(A,80,18)	RS1/16S473J	Α
EF1701	(A,91,125) EMI Filter	CCG1067	R 1303	(A,85,17)	RS1/16S102J	
EF1901	(A,157,29) EMI Filter	CCG1172	R 1304	(A,99,17)	RS1/16S102J	
EF1902	(A,146,39) EMI Filter	CCG1172	R 1305	(B,86,16)	RS1/16S223J	
EF1903	(A,152,39) EMI Filter	CCG1172				
			R 1306	(B,100,15)	RS1/16S223J	
EF2801	(A,70,32) EMI Filter	CCG1067	R 1307	(B,88,18)	RS1/16S101J	
			R 1308	(B,100,19)	RS1/16S101J	-
RESISTO	<u>DRS</u>		R 1309	(B,77,20)	RS1/16S512J	
			R 1310	(B,81,20)	RS1/16S102J	
R 1001	(B,127,31)	RS1/16S750J	_			
R 1004	(A,128,37)	RS1/16S472J	R 1311	(A,75,25)	RS1/16S101J	
R 1005	(A,129,38)	RS1/16S472J	R 1312	(B,78,23)	RS1/16S512J	
R 1006	(A,126,43)	RS1/16S512J	R 1313	(A,72,20)	RS1/16S472J	В
R 1007	(A,125,42)	RS1/16S102J	R 1314	(A,72,23)	RS1/16S472J	
			R 1315	(A,72,17)	RS1/16S103J	
R 1008	(A,123,38)	RS1/16S101J				
R 1009	(A,125,39)	RS1/16S512J	R 1316	(B,78,14)	RS1/16S103J	
R 1010	(A,111,32)	RS1/16S101J	R 1317	(B,75,17)	RS1/16S750J	
R 1011	(A,111,28)	RS1/16S101J	R 1351	(A,65,11)	RS1/16S563J	_
R 1012	(A,109,30)	RS1/16S223J	R 1352	(A,66,8)	RS1/16S473J	
	, , ,		R 1357	(B,61,10)	RS1/16S512J	
R 1013	(A,109,29)	RS1/16S223J				
R 1014	(A,109,32)	RS1/16S102J	R 1358	(B,65,10)	RS1/16S102J	
R 1015	(A,109,27)	RS1/16S102J	R 1359	(A,58,15)	RS1/16S101J	
R 1016	(A,129,48)	RS1/16S563J	R 1360	(B,62,13)	RS1/16S512J	
R 1017	(A,126,49)	RS1/16S473J	R 1363	(A,56,10)	RS1/16S472J	С
	(* 1, 120, 10)		R 1364	(A,56,13)	RS1/16S472J	ŭ
R 1102	(A,101,112)	RS1/16S102J				
R 1104	(A,104,123)	RS1/10S101J	R 1365	(B,52,10)	RS1/16S103J	
R 1105	(A,102,123)	RS1/10S101J	R 1366	(B,51,12)	RS1/16S103J	
R 1106	(A,103,126)	RS1/10S620J	R 1367	(A,53,12)	RS1/16S750J	
R 1107	(A,113,115)	RS1/16S102J	R 1402	(B,47,110)	RS1/16S0R0J	
101	(1,110,110)	1101/1001020	R 1403	(B,49,102)	RS1/16S0R0J	
R 1108	(A,115,115)	RS1/16S102J				
R 1109	(B,112,116)	RS1/16S223J	R 1404	(B,49,59)	RS1/16S681J	
R 1110	(B,116,116)	RS1/16S223J	R 1405	(B,49,56)	RS1/16S681J	
R 1111	(A,111,115)	RS1/16S101J	R 1407	(A,56,106)	RS1/16S103J	
R 1112	(A,117,115)	RS1/16S101J	R 1408	(A,58,106)	RS1/16S103J	
	(*,****,****)		R 1409	(A,52,111)	RS1/16S273J	D
R 1113	(A,120,112)	RS1/16S332J				_
R 1114	(A,120,111)	RS1/16S682J	R 1410	(B,53,102)	RS1/16S273J	
R 1115	(A,120,119)	RS1/10S222J	R 1412	(A,56,110)	RS1/16S183J	
R 1118	(A,101,111)	RS1/16S0R0J	R 1413	(A,56,108)	RS1/16S183J	
R 1119	(A,101,109)	RS1/16S0R0J	R 1415	(B,51,107)	RS1/16S753J	
	(1,101,100)		R 1416	(B,53,109)	RS1/16S753J	_
R 1201	(A,135,36)	RS1/16S473J				
R 1202	(A,29,117)	RS1/16S563J	R 1426	(B,49,81)	RS1/16S681J	
R 1203	(A,29,114)	RS1/16S473J	R 1428	(B,49,54)	RS1/16S681J	
R 1204	(A,136,38)	RS1/16S473J	R 1429	(B,49,64)	RS1/16S681J	
R 1205	(A,138,42)	RS1/16S473J	R 1431	(B,49,61)	RS1/16S681J	
1200	· · · · · - · · · - /		R 1434	(B,41,48)	RS1/4S0R0J	
R 1206	(A,138,39)	RS1/16S473J				Е
R 1207	(A,136,48)	RS1/16S473J	R 1501	(A,63,35)	RS1/16S0R0J	_
R 1208	(B,29,118)	RS1/16S512J	R 1502	(A,61,34)	RS1/16S0R0J	
R 1209	(B,31,118)	RS1/16S102J	R 1505	(A,91,30)	RS1/16S562J	
R 1210	(B,35,119)	RS1/16S101J	R 1506	(A,88,26)	RS1/16S562J	
10 1210	(5,00,110)	1101/1001010	R 1507	(A,91,34)	RS1/16S562J	
R 1211	(B,33,121)	RS1/16S512J		•		_
R 1212	(A,31,123)	RS1/16S472J	R 1508	(A,91,35)	RS1/16S562J	
R 1213	(A,34,123)	RS1/16S472J	R 1509	(A,91,40)	RS1/16S562J	
R 1214	(B,55,126)	RS1/16S0R0J	R 1510	(A,91,41)	RS1/16S562J	
R 1215	(B,57,127)	RS1/16S0R0J	R 1511	(A,85,47)	RS1/16S101J	
1210	(2,01,121)	1.01/1000100	R 1512	(A,86,47)	RS1/16S101J	
R 1216	(B,43,124)	RS1/16S0R0J		, <i>,</i>	· -	
R 1210	(B,49,124)	RS1/16S0R0J	R 1551	(B,69,34)	RS1/16S0R0J	F
R 1217	(B,30,129)	RS1/16S0R03	R 1552	(B,69,32)	RS1/16S0R0J	
R 1210	(B,32,133)	RS1/16S103J	R 1553	(B,76,44)	RS1/16S182J	
R 1219	(A,33,128)	RS1/16S750J	R 1554	(B,72,42)	RS1/16S182J	
11 1220	(1,00,120)	1301/1001000	R 1555	(B,78,47)	RS1/16S102J	
			AVIC-N2/XU/UC	,		167
	5	6	AVIC-NZ/XU/UC	7 -	8	101
	-	•			•	

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	Circ	cuit Symbol and No.	Part No.	<u>C</u> i	rcuit Symbol and No.	Part No.
	R 1556	(B,70,39)	RS1/16S102J	R 1638	(B,71,97)	RS1/16S104J
Α	R 1557	(B,91,45)	RS1/16S103J	R 1640	(B,79,109)	RS1/16S681J
^	R 1558	(B,76,57)	RS1/16S123J	R 1641	(A,92,114)	RS1/16S681J
	R 1559	(B,97,50)	RS1/16S123J	R 1642	(B,86,111)	RS1/16S473J
	R 1560	(B,72,58)	RS1/16S103J	R 1643	(B,72,108)	RS1/16S473J
	R 1561	(B,72,35)	RS1/16S473J	R 1644	(B,80,111)	RS1/16S473J
	R 1562	(B,72,31)	RS1/16S473J	R 1647	(B,76,109)	RS1/16S473J
_	R 1563	(B,69,50)	RS1/16S471J	R 1651	(B,77,116)	RS1/16S473J
	R 1564	(B,69,47)	RS1/16S471J	R 1652	(B,79,116)	RS1/16S473J
	R 1565	(B,72,56)	RS1/16S471J	R 1657	(B,72,110)	RS1/16S473J
	R 1566	(B,98,47)	RS1/16S471J	R 1658	(B,72,112)	RS1/16S473J
	R 1567	(A,64,53)	RS1/16S821J	R 1659	(A,82,79)	RS1/16S473J
В	R 1568	(A,69,53)	RS1/16S821J	R 1661	(A,90,85)	RS1/16S681J
	R 1569	(B,75,34)	RS1/16S821J	R 1662	(A,87,85)	RS1/16S681J
	R 1570	(B,75,32)	RS1/16S821J	R 1663	(B,88,88)	RS1/16S681J
	R 1571	(B,70,53)	RS1/16S104J	R 1664	(A,88,85)	RS1/16S681J
	R 1572	(B,65,53)	RS1/16S104J	R 1821	(A,21,122)	RS1/16S0R0J
_	R 1573	(A,108,39)	RS1/16S750J	R 1822	(B,14,123)	RS1/16S333J
	R 1574	(A,67,55)	RS1/16S105J	R 1823	(A,12,121)	RS1/16S203J
	R 1575	(A,65,68)	RS1/16S750J	R 1824	(A,20,117)	RS1/16S822J
	R 1576	(A,70,68)	RS1/16S0R0J	R 1825	(A,19,113)	RS1/16S202J
	R 1580	(B,98,43)	RS1/16S105J	R 1826	(A,16,115)	RS1/16S564J
	R 1581	(B,55,85)	RS1/4S821J	R 1827	(A,17,117)	RS1/16S513J
С	R 1582	(B,56,90)	RS1/16S223J	R 1828	(A,14,119)	RS1/16S513J
0	R 1583	(B,62,89)	RS1/16S473J	R 1829	(B,24,118)	RS1/16S102J
	R 1584	(B,59,89)	RS1/16S223J	R 1830	(B,22,117)	RS1/16S102J
	R 1585	(B,70,90)	RS1/16S563J	R 1831	(B,21,122)	RS1/16S104J
	R 1586	(B,69,86)	RS1/16S223J	R 1832	(B,21,126)	RS1/16S513J
	R 1587	(B,62,84)	RS1/16S473J	R 1833	(B,16,127)	RS1/16S473J
	R 1588	(A,70,86)	RS1/16S101J	R 1834	(B,18,127)	RS1/16S563J
	R 1601	(B,115,105)	RS1/16S272J	R 1835	(A,20,128)	RS1/16S104J
	R 1602	(B,117,101)	RS1/16S101J	R 1841	(A,160,110)	RS1/16S104J
	R 1603	(B,107,102)	RS1/16S333J	R 1843	(B,144,108)	RS1/16S101J
	R 1604	(B,113,105)	RS1/16S473J	R 1861	(B,165,122)	RS1/10S105J
D	R 1607	(A,90,81)	RS1/16S104J	R 1862	(B,164,115)	RS1/10S151J
	R 1610	(A,94,83)	RS1/16S681J	R 1871	(B,146,79)	RS1/10S103J
	R 1611	(A,100,87)	RS1/16S681J	R 1872	(B,149,82)	RS1/10S103J
	R 1612	(A,84,85)	RAB4C681J	R 1873	(B,143,84)	RN1/16SE1001D
	R 1613	(B,97,109)	RS1/16S472J	R 1874	(B,139,84)	RN1/16SE1101D
	R 1614	(A,94,89)	RS1/16S681J	R 1875	(B,140,89)	RN1/16SE1001D
	R 1615	(A,80,86)	RS1/16S473J	R 1881	(B,10,120)	RS1/4S102J
	R 1617	(A,73,90)	RS1/16S681J	R 1901	(A,78,74)	RS1/16S102J
	R 1618	(A,96,92)	RAB4C681J	R 1902	(B,141,42)	RS1/16S102J
	R 1619	(A,98,88)	RS1/16S104J	R 1903	(A,78,73)	RS1/16S272J
_	R 1621	(A,75,82)	RS1/16S470J	R 1904	(B,144,43)	RS1/16S272J
Е	R 1622	(A,76,82)	RS1/16S470J	R 1905	(B,160,33)	RS1/16S153J
	R 1623	(A,76,86)	RS1/16S103J	R 1906	(B,157,33)	RS1/4S102J
	R 1624	(A,76,84)	RS1/16S103J	R 1907	(B,175,41)	RS1/10S271J
	R 1625	(A,96,98)	RAB4C681J	R 1908	(B,175,63)	RS1/10S221J
	R 1626	(A,72,99)	RAB4C681J	R 1909	(B,175,45)	RS1/10S271J
	R 1627	(B,70,92)	RS1/16S563J	R 1910	(A,167,59)	RS1/10S271J
	R 1629	(A,96,102)	RAB4C681J	R 1911	(B,175,72)	RS1/16S122J
	R 1630	(A,96,104)	RS1/16S473J	R 1912	(B,160,58)	RS1/16S0R0J
	R 1631	(A,97,107)	RAB4C681J	R 1950	(B,111,90)	RS1/4S471J
	R 1632	(A,67,112)	RS1/16S473J	R 1951	(B,169,65)	RS1/16S432J
F	R 1633	(A,67,107)	RS1/16S473J	R 1952	(B,169,64)	RS1/16S222J
•	R 1634	(A,72,109)	RAB4C681J	R 1953	(B,170,61)	RS1/16S223J
	R 1635	(A,97,111)	RAB4C681J	R 1954	(B,109,41)	RS1/16S122J
	R 1636	(A,92,122)	RS1/16S473J	R 2831	(A,38,17)	RS1/16S820J
	R 1637	(B,97,118)	RS1/16S473J	R 2832	(A,38,10)	RS1/16S820J
	168			IC-N2/XU/UC	_	
		1 -	2		3	4

Cir	cuit Symbol and No.	Part No.	Circ	cuit Symbol and No.	Part No.	
			C 1033	(A,126,46)	CKSRYB104K16	
R 2833	(B,42,12)	RS1/16S223J		(, -, -,		
R 2834	(B,43,8)	RS1/16S223J	C 1034	(A,101,22)	CEVW100M16	Α
R 2835	(B,44,12)	RS1/16S471J	C 1035	(A,107,22)	CEVW220M16	, ,
R 2836	(B,45,8)	RS1/16S471J	C 1101	(A,103,120)	CKSRYB104K16	
R 2837	(A,39,7)	RS1/16S820J	C 1102	(A,110,101)	CEVW100M16	
	(, , ,		C 1103	(A,116,101)	CEVW220M16	
R 2838	(A,33,16)	RS1/16S820J		, , ,		
R 2839	(B,35,8)	RS1/16S223J	C 1106	(B,111,112)	CKSRYB105K10	
R 2840	(A,35,12)	RS1/16S223J	C 1107	(B,113,112)	CKSRYB105K10	
R 2841	(B,37,8)	RS1/16S471J	C 1108	(B,115,112)	CKSRYB105K10	
R 2842	(B,32,13)	RS1/16S471J	C 1109	(B,117,112)	CKSRYB105K10	
	(, , ,		C 1112	(B,117,123)	CCSRCH471J50	
R 2843	(A,27,16)	RS1/16S820J		(, , -,		
R 2844	(A,27,7)	RS1/16S820J	C 1113	(B,119,121)	CCSRCH471J50	
R 2845	(A,30,17)	RS1/16S223J	C 1117	(B,107,123)	CKSRYB104K25	В
R 2846	(A,25,8)	RS1/16S223J	C 1201	(A,32,114)	CKSRYB104K16	
R 2847	(B,26,13)	RS1/16S471J	C 1202	(A,36,117)	CEVW100M16	
	(=,==, :=)		C 1203	(A,27,114)	CKSRYB105K10	
R 2848	(B,30,8)	RS1/16S471J	0 .200	(* ',=-', · · · ')	0.10.1.12.100.1.10	
R 2849	(A,92,23)	RS1/16SS681J	C 1204	(A,138,37)	CKSRYB103K50	
R 2850	(A,89,31)	RS1/16S473J	C 1206	(B,33,123)	CCSRCJ3R0C50	
R 2851	(A,54,9)	RS1/16S0R0J	C 1208	(A,35,126)	CKSYB106K6R3	
R 2852	(A,61,10)	RS1/16S0R0J	C 1209	(A,30,127)	CKSYB106K6R3	
11 2002	(7,51,10)	1101/10001100	C 1210	(B,33,131)	CKSRYB473K50	
R 2853	(A,60,9)	RS1/16S0R0J	0 1210	(2,00,101)	OKOKI B-7 OKOO	
R 2854	(A,54,7)	RS1/16S0R0J	C 1301	(A,90,22)	CEVW100M16	
R 2855	(A,60,5)	RS1/16S0R0J	C 1302	(A,96,22)	CEVW220M16	
R 2856	(A,54,5)	RS1/16S0R0J	C 1303	(A,81,24)	CKSRYB104K16	0
R 2873	(B,92,10)	RS1/16S0R0J	C 1304	(A,85,22)	CEVW100M16	С
10 2075	(0,02,10)	1001/1000100	C 1305	(A,82,18)	CKSRYB105K10	
R 2886	(B,84,28)	RS1/16S473J	0 1303	(A,02,10)	ONONIBIOSINIO	
R 2887	(B,86,29)	RS1/16S104J	C 1306	(B,86,24)	CKSRYB105K10	
R 2888	(B,80,28)	RS1/10S102J	C 1307	(B,86,19)	CKSRYB105K10	
1 2000	(0,00,20)	1001/1001020	C 1308	(B,96,19)	CKSRYB105K10	
CAPACI	TORS		C 1309	(B,96,18)	CKSRYB105K10	
CAPACI	IONS		C 1311	(B,77,23)	CCSRCJ3R0C50	
0.4004	(D 4 44 00)	CCCDCLIA04 IFO	0 1011	(5,77,23)	00011003110030	
C 1001	(B,141,26)	CCSRCH101J50	C 1313	(B,74,22)	CKSYB106K6R3	
C 1002	(B,143,26)	CCSRCH101J50	C 1314	(A,70,19)	CKSYB106K6R3	
C 1003	(B,142,11)	CCSRCH101J50	C 1314		CCSRCH471J50	
C 1004	(B,143,17)	CCSRCH101J50	C 1316	(B,99,8)	CKSRYB473K50	_
C 1005	(B,123,26)	CCSRCH101J50		(B,78,16)	CCSRCH471J50	D
	(=		C 1318	(B,95,8)	CCSKCH47 1330	
C 1006	(B,139,26)	CKSRYF104Z25	C 4252	(A CE 12)	CKSRYB104K16	
C 1007	(B,121,26)	CCSRCH101J50	C 1353 C 1354	(A,65,13) (A,64,17)		
C 1008	(B,137,26)	CKSRYF104Z25		· · · · · ·	CEVW100M16	
C 1009	(B,119,26)	CCSRCH101J50	C 1355	(A,64,8)	CKSRYB105K10	
C 1010	(B,135,26)	CKSRYF104Z25	C 1361	(B,61,13)	CCSRCJ3R0C50	
			C 1363	(A,54,15)	CKSYB106K6R3	<u>=</u>
C 1011	(B,120,12)	CCSRCH471J50	0.4004	(4.50.7)	01/01/04001/000	
C 1012	(B,133,26)	CCSRCH101J50	C 1364	(A,53,7)	CKSYB106K6R3	
C 1013	(B,118,25)	CCSRCH681J50	C 1365	(B,51,14)	CKSRYB473K50	
C 1014	(B,131,26)	CCSRCH101J50	C 1401	(B,46,107)	CKSQYB225K10	
C 1015	(B,120,23)	CCSRCH681J50	C 1402	(B,50,100)	CKSQYB225K10	
			C 1404	(B,50,88)	CKSYB475K16	E
C 1016	(B,129,26)	CCSRCH101J50	0.4405	(5.10.70)	01/07)/71/001/50	
C 1017	(B,118,14)	CCSRCH681J50	C 1405	(B,42,79)	CKSRYB103K50	
C 1018	(B,127,26)	CCSRCH101J50	C 1407	(B,42,88)	CKSRYB103K50	
C 1019	(A,119,18)	CCSRCH681J50	C 1408	(B,42,51)	CKSRYB103K50	
C 1020	(B,125,26)	CCSRCH101J50	C 1410	(A,51,92)	CEVW470M6R3	
			C 1411	(A,53,49)	CEVW221M16	
C 1022	(A,130,33)	CKSYB106K6R3				-
C 1023	(A,126,35)	CKSYB106K6R3	C 1415	(B,57,63)	CKSRYB103K50	
C 1026	(A,126,39)	CCSRCJ3R0C50	C 1418	(A,57,100)	CEVW100M16	
C 1027	(A,102,30)	CKSRYB105K10	C 1423	(A,51,85)	CEVW220M16	
C 1028	(A,106,30)	CKSRYB105K10	C 1424	(A,56,83)	CKSRYB103K50	
-	, , , ,		C 1425	(B,51,105)	CCSRCH6R0D50	
C 1029	(A,106,29)	CKSRYB105K10				F
C 1030	(A,106,27)	CKSRYB105K10	C 1427	(B,53,111)	CCSRCH6R0D50	
C 1031	(A,129,49)	CKSRYB105K10	C 1429	(A,55,104)	CKSRYB103K50	
C 1032	(A,122,43)	CEVW100M16	C 1430	(A,56,74)	CKSRYB104K16	
-	· · · · /	-	C 1431	(A,51,101)	CEVW100M16	
			AVIC-N2/XU/UC			169
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	<u>Cir</u>	cuit Symbol and No.	Part No.	<u>Circ</u>	cuit Symbol and No.	Part No.
	C 1442	(A,53,60)	CEVW221M16	C 1623	(B,111,105)	CKSRYB103K50
Α	C 1501	(A,62,30)	CKSQYB105K16	C 1821	(A,11,118)	CKSRYB823K16
	C 1504	(A,79,25)	CKSQYB105K16	C 1822	(B,17,124)	CKSRYB104K25
	C 1505	(A,95,29)	CKSQYB105K16	C 1823	(B,17,122)	CKSRYB103K50
	C 1506	(A,90,28)	CKSQYB105K16	C 1824	(A,14,117)	CKSRYB104K16
	C 1507	(A,60,47)	CKSQYB105K16	C 1825	(B,23,122)	CKSRYB102K50
	C 1508	(A,60,45)	CKSQYB105K16	C 1826	(A,21,119)	CKSRYF104Z25
	C 1509	(A,91,32)	CKSQYB105K16	C 1862	(B,161,122)	CKSRYB103K50
	C 1510	(A,95,35)	CKSQYB105K16	C 1863	(B,163,111)	CKSYB106K6R3
	C 1510 C 1511 C 1512	(A,95,35) (A,95,37) (A,94,41)	CKSQYB105K16 CKSQYB105K16	C 1864 C 1865	(B,168,98) (A,166,94)	CKSTB100K0K3 CKSRYB104K25 CCSRCH102J50
В	C 1513	(A,90,44)	CKSQYB105K16	C 1866	(A,173,96)	CKSRYB104K16
	C 1514	(A,92,44)	CKSQYB105K16	C 1867	(A,174,107)	CKSRYB105K10
	C 1515	(A,78,47)	CKSRYB103K50	C 1871	(B,161,87)	CKSRYF103Z50
	C 1516	(A,82,52)	CEVW220M16	C 1872	(A,146,77)	CKSRYB104K25
	C 1517	(A,61,40)	CEVW100M16	C 1873	(A,147,77)	CKSRYB334K10
	C 1551	(B,91,43)	CCSRCH7R0D50	C 1874	(A,163,90)	CKSRYF103Z50
	C 1552	(B,79,35)	CKSRYB222K50	C 1875	(A,153,79)	CEVW101M16
	C 1553	(B,79,31)	CKSRYB222K50	C 1876	(A,140,78)	CEVW470M16
	C 1554	(B,76,48)	CKSRYB222K50	C 1877	(A,154,91)	CKSRYB104K16
	C 1555	(B,74,46)	CKSRYB222K50	C 1878	(A,150,88)	CKSRYF104Z25
С	C 1556	(B,76,56)	CCSRCJ3R0C50	C 1879	(A,156,91)	CKSRYB474K10
	C 1557	(A,92,54)	CEVW101M16	C 1880	(A,144,77)	CKSRYB104K25
	C 1558	(B,77,52)	CKSRYB103K50	C 1881	(B,10,123)	CKSRYB104K25
	C 1559	(B,75,36)	CKSQYB225K10	C 1882	(A,146,88)	CEVW470M16
	C 1560	(B,75,30)	CKSQYB225K10	C 1901	(A,158,36)	CEVW101M16
_	C 1561	(A,70,49)	CEVW100M16	C 1902	(A,145,46)	CEVW101M16
	C 1562	(A,65,49)	CEVW100M16	C 1903	(A,78,80)	CKSRYB104K16
	C 1563	(B,96,45)	CKSYB475K16	C 1904	(B,132,41)	CKSRYB104K25
	C 1564	(A,71,56)	CKSYB475K16	C 1905	(A,143,40)	CKSRYB103K50
	C 1565	(A,98,40)	CKSRYB103K50	C 1906	(A,161,30)	CKSRYB103K50
	C 1566	(A,74,60)	CKSRYB103K50	C 1907	(B,170,34)	CKSRYB103K50
	C 1567	(A,103,35)	CEVW470M16	C 1908	(A,166,31)	CEVW101M16
	C 1568	(A,75,65)	CEVW470M16	C 1910	(A,166,45)	CEVW101M16
D	C 1569	(A,102,48)	CEVW330M10	C 1911	(B,168,61)	CKSRYB104K25
	C 1570	(A,103,42)	CEVW101M4	C 1912	(B,169,44)	CKSRYB103K50
	C 1571	(A,63,64)	CEVW330M10	C 1913	(B,170,56)	CKSRYB103K50
	C 1572	(A,69,64)	CEVW101M4	C 1914	(B,169,39)	CKSRYB103K50
	C 1575	(B,80,47)	CKSRYB104K25	C 1915	(A,166,53)	CEVW101M16
	C 1576	(B,67,42)	CKSRYB104K25	C 1916	(A,166,38)	CEVW101M16
	C 1577	(A,76,51)	CEVW101M16	C 1917	(A,155,46)	CEVW101M16
	C 1580	(A,61,88) 22µF	CCG1183	C 1918	(A,155,41)	CKSRYB103K50
	C 1601	(B,119,101)	CKSRYB103K50	C 1919	(A,165,74)	CEVW101M16
	C 1602	(A,81,82)	CKSRYB104K16	C 1920	(B,169,73)	CKSRYB103K50
Е	C 1603	(A,91,120)	CKSRYB103K50	C 1921	(B,169,69)	CKSRYB103K50
	C 1604	(A,84,76)	CEVW100M16	C 1922	(A,173,84)	CKSRYB104K16
	C 1605	(A,87,79)	CKSRYB103K50	C 1923	(A,166,65)	CEVW470M16
	C 1606	(A,94,120)	CKSRYB222K50	C 1924	(A,173,86)	CKSRYB103K50
	C 1607	(A,87,81)	CKSRYB103K50	C 1925	(A,172,91)	CEVW220M16
	C 1610	(A,73,93)	CKSRYB102K50	C 1950	(A,122,94)	CEVW101M16
	C 1611	(A,95,95)	CKSRYB102K50	C 1951	(B,108,85)	CKSRYB103K50
	C 1612	(A,72,106)	CKSRYB102K50	C 1952	(B,115,86)	CKSRYB103K50
	C 1613	(A,82,113)	CKSRYB102K50	C 1953	(A,127,87)	CEVW101M16
	C 1614	(B,84,111)	CKSRYB105K10	C 1954	(A,113,39)	CEVW101M16
F	C 1615	(A,90,115)	CKSRYB103K50	C 1955	(B,112,44)	CKSRYB103K50
	C 1616	(A,70,93)	CKSRYB104K16	C 1956	(B,104,44)	CKSRYB103K50
	C 1619	(A,102,90)	CKSRYB104K16	C 1957	(A,111,47)	CEVW101M16
	C 1620	(A,96,86)	CKSRYB104K16	C 2813	(B,23,31)	CKSRYF104Z25
	C 1621	(A,94,117)	CKSRYB104K16	C 2814	(B,18,32)	CKSRYF104Z25
	C 1622 170	(B,112,98) 1 ■	CKSRYB103K50 AVIC-N	C 2831 N2/XU/UC	(A,38,20) 3	CEVW100M16 4

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<u>Ci</u> C 2832	rcuit Symbol and No. (A,39,13)	Part No. CEVW100M16	<u>Circ</u> ı Q 1402	uit Symbol and No. (B,51,41) Transistor	<u>Part No.</u> 2SC3127	
0.0000	(D. 40.45)	OKOD//Dood/cto	0.4400	(D.07.400) Taxasistas	DTO404ELL	
C 2833 C 2834	(B,42,15) (B,44,6)	CKSRYB222K50 CKSRYB222K50	Q 1403 Q 1404	(B,67,106) Transistor (B,67,103) Transistor	DTC124EU DTC124EU	Α
C 2837	(A,44,7)	CEVW100M16	Q 1405	(B,82,86) Transistor	DTC124EU	
C 2838	(A,44,7) (A,29,20)	CEVW100M16	Q 1406	(B,67,99) Transistor	DTC124EU	
C 2839	(B,35,5)	CKSRYB222K50	Q 1551	(B,80,44) Transistor	2SA1576	
	· · · · · · · · · · · · · · · · · · ·					
C 2840 C 2843	(B,33,15) (A,29,13)	CKSRYB222K50 CEVW100M16	Q 1552 Q 1555	(B,67,39) Transistor (B,73,51) Transistor	2SA1576 2SC2412K	
C 2844	(A,29,13) (A,34,7)	CEVW100M16	Q 1556	(B,71,46) Transistor	2SC2412K 2SC2412K	
C 2845	(B,28,15)	CKSRYB222K50	Q 1557	(A,76,57) Transistor	2SC2412K	
C 2846	(B,28,5)	CKSRYB222K50	Q 1558	(B,92,48) Transistor	2SC2412K	
0.0040	(4.00.04)	CKCCVD400KE0	0.4550	(D.CO.FO) Transistan	EMO40	
C 2849 C 2851	(A,92,24)	CKSSYB102K50 CKSRYF103Z50	Q 1559 Q 1581	(B,63,50) Transistor (B,59,85) Transistor	FMG12 2SA1037K	Б.
C 2879	(B,23,33) (A,96,21)	CEVW470M16	Q 1581	(B,59,91) Transistor	2SC4081	В
C 2880	(A,73,40)	CKSRYF104Z25	Q 1583	(B,65,88) Transistor	2SC4081	
C 2886	(B,89,25)	CKSRYF104Z25	Q 1601	(B,114,101) Transistor	2SC2412K	
_			_			
C 2887	(B,20,32)	CKSRYF104Z25	Q 1607	(A,68,109) Transistor	2SC4081	
			Q 1801	(B,149,65) Transistor	2SC3545	
	Tuner Unit		Q 1802	(B,132,75) Transistor	DTC144EK	
<u>Consist</u>	s of		Q 1803 Q 1821	(B,137,75) Transistor (B,16,118) Transistor	DTC144EK DTC114EU	
<u>Relay P</u>	<u>CB</u>		Q 1021	(D, 10, 110) Halisisiol	DICTIALO	
<u>Mother</u>	PCB		Q 1822	(B,21,134) Transistor	DTC114WK	
Connec	tor PCB		Q 1871	(B,150,86) Transistor	DTC114EU	
			Q 1872	(B,146,83) Transistor	2SA1037K	С
	2 T S		Q 1881	(A,9,126) Transistor	DTC114EU	
JK			Q 1901	(A,78,77) Transistor	2SA1036K	
Unit N	umber:CWM9945(A	WIC-X1R/XU/EW	/) Q 1902	(B,136,42) Transistor	2SA1036K	
Unit N	ame:Mother Tuner	Unit	Q 1903	(A,81,71) Transistor	DTC114EK	
			Q 1904	(B,146,41) Transistor	DTC114EK	
MISCEL	LANEOUS		Q 1905	(B,165,34) Transistor	2SB1260	
			Q 1906	(B,158,39) Transistor	DTC114EK	
IC 1001	(A,129,43) IC	NJM2137V	0.4007	(A 470 04) Topo d'atam	0004000	
IC 1002	(B,106,27) IC	TA2050FS1	Q 1907	(A,172,61) Transistor	2SB1629	
IC 1101	(A,105,116) IC	HA12240FP	Q 1908 Q 1909	(A,173,42) Transistor (A,173,72) Transistor	2SD2396 2SD2396	
IC 1102	(A,113,109) IC	TA2050FS1	Q 1951	(B,111,85) Transistor	2SD2098	5
IC 1201	(A,31,118) IC	NJM2137V	Q 1952	(B,109,45) Transistor	2SD2098	D
IC 1301	(B,92,25) IC	TA2050FS1				
IC 1302	(A,77,21) IC	NJM2137V	Q 2801	(A,90,25) Transistor	2SC4081	
IC 1352	(A,61,11) IC	NJM2137V	Q 2831	(B,39,12) Transistor	DTC323TU	
IC 1401	(A,53,79) IC	NJM2391DL1-33	Q 2832 Q 2833	(B,41,8) Transistor (B,32,8) Transistor	DTC323TU DTC323TU	
IC 1402	(A,51,107) IC	NJM4558E	Q 2844	(B,34,12) Transistor	DTC323TU	
IC 1501	(A,76,36) IC	CXA2069Q	ζ 20	(2,0 1,12)	2.0020.0	
IC 1551	(A,97,43) IC	NJM2561F1	Q 2845	(B,29,12) Transistor	DTC323TU	
IC 1552	(A,71,58) IC	NJM2561F1	Q 2846	(B,27,8) Transistor	DTC323TU	
IC 1601	(A,83,81) IC	TC7SH04FUS1	Q 2886	(B,87,26) Transistor	2SC4081	
IC 1603	(A,83,100) IC	PE5411B	D 1001 D 1002	(B,138,10) Diode	UDZS6R8(B)	_
IC 1604	(4.04.07) 10	TC701100F1104	D 1002	(B,138,17) Diode	UDZS6R8(B)	Е
IC 1604 IC 1605	(A,94,87) IC (A,100,90) IC	TC7SH08FUS1 TC7SH08FUS1	D 1003	(B,140,11) Diode	UDZS6R8(B)	
IC 1603	(A, 100, 30) IC (A, 92, 117) IC	TC7SH08FUS1	D 1004	(B,135,15) Diode	UDZS6R8(B)	
IC 1608	(A,71,95) IC	TC7SH04FUS1	D 1005	(B,136,9) Diode	UDZS6R8(B)	
IC 1821	(A,18,123) IC	NJM2904M	D 1006	(B,140,17) Diode	UDZS6R8(B)	
			D 1007	(B,133,15) Diode	UDZS6R8(B)	
IC 1871	(A,146,80) IC	S-812C33AMC-C2N	D 1008	(B,133,8) Diode	UDZS6R8(B)	_
IC 1872 IC 1901	(A,153,88) IC (A,166,84) IC	S-L2980A50MC-C7J NJM2391DL1-33	D 1009	(B,131,15) Diode	UDZS6R8(B)	
IC 1901 IC 1902	(A,166,84) IC (B,164,61) IC	M5237ML	D 1010	(B,131,7) Diode	UDZS6R8(B)	
Q 1101	(A,121,108) Transistor	DTC124EU	D 1011	(B,129,15) Diode	UDZS6R8(B)	
	(· ·, · = · , · · · ·)	= : = : = := :	D 1012	(B,131,23) Diode	UMZ6R8N	
Q 1102	(A,120,115) Transistor	2SA1576	D 4042	(R 135 22) Diodo	MA153	F
Q 1201	(A,135,41) Transistor	2SA1037K	D 1013 D 1014	(B,135,22) Diode (B,126,23) Diode	MA153 UMZ6R8N	
Q 1202	(A,136,45) Transistor	2SC2412K	D 1014 D 1015	(B,123,22) Diode (B,123,22) Diode	UMZ6R8N	
Q 1401	(A,38,33) Transistor	2SC3357	D 1015	(B,126,16) Diode	UDZS6R8(B)	
			AVIC-N2/XU/UC	1	• •	171
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	Circ	uit Symbol and No.	Part No.	<u>Cir</u>	cuit Symbol and No.	Part No.	
	D 1017	(B,126,9) Diode	UDZS6R8(B)	L 1003	(A,142,36) Inductor	CTF1334	
	_						
Α	D 1018	(B,124,17) Diode	UDZS6R8(B)	L 1004	(A,143,36) Inductor	CTF1334	
	D 1019 D 1020	(B,122,8) Diode (B,118,9) Diode	UMZ6R8N UMZ6R8N	L 1005 L 1006	(A,133,31) Inductor (A,135,31) Inductor	CTF1306 CTF1306	
	D 1020 D 1021	(B,121,18) Diode	UMZ6R8N	L 1006 L 1007	(A,136,31) Inductor	CTF1306 CTF1306	
	D 1021	(B,117,17) Diode	UMZ6R8N	L 1007	(A,136,33) Inductor	CTF1306	
		(=,,, =			(, , , , , , , , , , , , , , , , , , ,		
	D 1023	(B,128,9) Diode	UDZS6R8(B)	L 1009	(A,116,21) Inductor	CTF1306	
	D 1101	(B,116,119) Diode	UMZ6R8N	L 1010	(A,118,21) Inductor	CTF1306	
	D 1102	(B,115,132) Diode	UMZ6R8N DAN202U	L 1011	(A,118,25) Inductor	CTF1306	
	D 1103 D 1104	(B,105,129) Diode (B,105,133) Diode	DAP202U	L 1012 L 1013	(A,117,28) Inductor (A,121,30) Inductor	CTF1306 CTF1334	
	D 1104	(B, 100, 100) Blode	D/ 11 2020	L 1010	(71,121,00) Induotor	011 1004	
	D 1201	(A,138,35) Diode	1SS355	L 1014	(A,122,30) Inductor	CTF1334	
В	D 1202	(A,137,49) Diode	1SS355	L 1015	(A,124,30) Inductor	CTF1334	
	D 1203	(A,54,124) Diode	HZU12(B2)	L 1016	(A,123,22) Inductor	CTF1382	
	D 1204	(A,56,124) Diode	HZU12(B2)	L 1017	(A,127,21) Inductor	CTF1334	
	D 1205	(A,43,124) Diode	HZU12(B2)	L 1018	(A,127,26) Inductor	CTF1382	
	D 1206	(A,49,124) Diode	HZU12(B2)	L 1019	(A,128,26) Inductor	CTF1382	
_	D 1207	(A,32,131) Diode	UMZ6R8N	L 1020	(A,130,29) Inductor	CTF1334	
	D 1208	(A,35,131) Diode	UMZ6R8N	L 1021	(A,132,34) Inductor	CTF1334	
	D 1301	(B,108,19) Diode	UMZ6R8N	L 1022	(A,128,21) Inductor	CTF1334	
	D 1302	(B,93,14) Diode	UMZ6R8N	L 1026	(B,122,41) Inductor	CTF1399	
	D 1303	(B,70,12) Diode	UMZ6R8N	L 1101	(A,105,108) Inductor	LCYA2R2J2520	
	D 1303	(B,70,15) Diode	UMZ6R8N	L 1101	(A,112,118) Inductor	CTF1334	
С	D 1353	(B,50,8) Diode	UMZ6R8N	L 1103	(A,113,118) Inductor	CTF1334	
O	D 1354	(B,48,16) Diode	UMZ6R8N	L 1104	(A,117,118) Inductor	CTF1334	
	D 1401	(A,51,73) Diode	1SR154-400	L 1105	(A,115,118) Inductor	CTF1334	
	D 1402	(A,51,70) Diode	1SR154-400	L 1201	(A,35,113) Inductor	CTF1399	
	D 1403	(A,52,66) Diode	1SR154-400	L 1301	(B,82,26) Inductor	CTF1399	
	D 1551	(B,101,46) Diode	MA153	L 1302	(B,90,18) Inductor	CTF1334	
	D 1552	(B,69,61) Diode	MA153	L 1303	(B,86,12) Inductor	CTF1334	
	D 1553	(A,60,54) Diode	DAP202U	L 1304	(B,103,18) Inductor	CTF1334	
	D 1580	(A,70,89) Diode	MA111	L 1305	(B,101,12) Inductor	CTF1334	
	D 1581	(B,64,92) Diode	DAN202U	L 1351	(A,67,21) Inductor	CTF1399	
	D 1582	(B,67,84) Diode	UDZS8R2(B)	L 1401	(B,40,45) Inductor	LCTAW4R7J2520	
D	D 1602	(B,110,102) Diode	DAN202U	L 1402	(A,28,33) Inductor	LCYAR12J2520	
	D 1801	(B,124,76) Diode	HZU3R3(B1)	L 1403	(B,51,79) Inductor	LCTAW1R0J2520	
	D 1821	(A,9,121) Diode	S1G-6904G2P	L 1404	(A,32,36) Inductor	LCTCR10K2125	
	D 1821	(A,12,125) Diode	UDZS18(B)	L 1404 L 1405	(A,56,92) Inductor	LCYA1R0J2520	
	D 1823	(A,14,125) Diode	UDZS18(B)	L 1406	(B,59,61) Inductor	LCTAW1R0J2520	
_	D 1824	(A,19,115) Diode	1SS355 \	L 1407	(A,44,34) Coil	CTC1143	
	D 1871	(B,140,87) Diode	UDZS5R6(B)	L 1408	(B,51,51) Inductor	LCTCR10K2125	
	D 1881	(B,10,115) Diode	UDZS18(B)	L 1409	(B,55,44) Inductor	LCTCR18K2125	
	D 1882	(A,58,116) Diode	1SS355	L 1409 L 1410	(B,55,52) Inductor	LCTCK 16K2 125 LCTAW101J2520	
	D 1883	(B,10,126) Diode	UDZS6R8(B)	L 1411	(A,39,27) Coil	CTC1142	
	D 1884	(B,142,110) Diode	RB500V-40	L 1412	(B,38,23) Inductor	LCTAW101J2520	
Е	D 1902	(B,168,42) Diode	HZU9R1(B3)	L 1413	(A,49,26) Coil	CTC1139	
	D 1002	(B 168 71) Diada	LID795D6/B/	I 1501	(A 81 59) Industra	I CVA100 12520	
	D 1903 D 1950	(B,168,71) Diode (B,105,84) Diode	UDZS5R6(B) UDZS13(B)	L 1501 L 1551	(A,81,58) Inductor (B,82,55) Inductor	LCYA100J2520 LCTAW101J2520	
	D 1950 D 1951	(B,114,44) Diode	UDZS5R6(B)	L 1551	(B,90,52) Inductor	LCTAW100J2520	
	D 2801	(B,26,33) Diode	UDZS6R8(B)	L 1553	(B,103,41) Inductor	LCTAW100J2520	
	D 2802	(B,22,35) Diode	UDZS6R8(B)	L 1554	(B,75,62) Inductor	LCTAW100J2520	
	D 0044	(D.00.00). Dist.	LID 7040/D)	1 4555	(D 00 50) Indicates	I OTAMA 00 10500	
	D 2811 D 2812	(B,96,36) Diode (B,102,36) Diode	UDZS10(B) UDZS10(B)	L 1555 L 1601	(B,83,58) Inductor (A,89,80) Inductor	LCTAW100J2520 CTF1379	
	D 2812 D 2813	(B,76,28) Diode	UDZS10(B)	L 1601 L 1602	(B,71,95) Inductor	CTF1379 CTF1379	
	D 2814	(B,76,26) Diode (B,76,26) Diode	UDZS5R6(B)	L 1603	(A,98,95) Inductor	CTF1379	
	D 2886	(B,73,35) Diode	S1G-6904G2P	L 1604	(A,69,105) Inductor	CTF1379	
F	D 000=	(D 70 00) D: 1	040 000 4000		(A 00 445)	OTE4070	
	D 2887	(B,73,32) Diode	S1G-6904G2P	L 1766	(A,80,115) Inductor	CTF1379	
	ZNR1401 L 1001	(A,18,34) Surge Protector (A,141,33) Inductor	RCCA-201Q31UA-PI CTF1334	L 1801 L 1802	(B,143,67) Inductor (B,133,67) Inductor	LCTCR22K2125 LCTAW1R0J2520	
	L 1001	(A,142,33) Inductor	CTF1334	L 1803	(B,115,77) Inductor	LCTAW1R0J2520 LCTAW2R2J2520	
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		1 =	2		3 -	4	

Circ	cuit Symbol and No.	Part No.		Circ	uit Symbol and No.	Part No.	
L 1804	(B,121,73) Inductor	LCTAW1R0J25	20 55	-1902	(A,146,39) EMI Filter	CCG1172	
L 1604	(B,121,73) Inductor	LC IAW IRUJ25.	20 Er	1902	(A, 146,39) EIVII FIILEI	CCGTT/2	
L 1821	(A,8,117) Inductor	CTF1306	EF	1903	(A,152,39) EMI Filter	CCG1172	Α
L 1841	(A,146,114) Inductor	CTF1334	EF	2801	(A,70,32) EMI Filter	CCG1067	
L 1842	(B,148,109) Inductor	CTF1334			, , ,		
L 1843	(A,147,107) Inductor	CTF1334	RE	SISTO	RS		
L 1844	(A,147,105) Inductor	CTF1334					
			R	1001	(B,127,31)	RS1/16S750J	
L 1845	(B,148,106) Inductor	CTF1334		1004	(A,128,37)	RS1/16S472J	
L 1846	(B,148,104) Inductor	CTF1334		1005	(A,129,38)	RS1/16S472J	
L 1847	(A,147,98) Inductor	CTF1393		1006	(A,126,43)	RS1/16S512J	
L 1848	(A,155,96) Inductor	CTF1393		1007	(A,125,42)	RS1/16S102J	
L 1849	(B,156,116) Inductor	CTF1393			(-,, -=-,		
			R	1008	(A,123,38)	RS1/16S101J	
L 1850	(A,161,113) Inductor	CTF1334		1009	(A,125,39)	RS1/16S512J	
L 1851	(B,150,100) Inductor	CTF1334		1010	(A,111,32)	RS1/16S101J	В
L 1852	(B,140,108) Inductor	CTF1306		1011	(A,111,28)	RS1/16S101J	
L 1853	(B,132,100) Inductor	CTF1306		1012	(A,109,30)	RS1/16S223J	
L 1861	(B,170,106) Inductor	CTF1334			,		
			R	1013	(A,109,29)	RS1/16S223J	
L 1862	(B,170,96) Inductor	CTF1334		1014	(A,109,32)	RS1/16S102J	
L 1871	(B,152,79) Inductor	CTF1334	R	1015	(A,109,27)	RS1/16S102J	_
L 1872	(A,166,90) Inductor	CTF1393		1016	(A,129,48)	RS1/16S563J	
L 1873	(B,158,88) Inductor	CTF1393	R	1017	(A,126,49)	RS1/16S473J	
L 1874	(B,128,68) Inductor	CTF1557			,		
			R	1102	(A,101,112)	RS1/16S102J	
L 1881	(B,10,117) Inductor	CTF1306	R	1104	(A,104,123)	RS1/10S101J	
L 2811	(B,98,34) Inductor	CTF1557	R	1105	(A,102,123)	RS1/10S101J	
L 2812	(B,99,22) Inductor	CTF1557	R	1106	(A,103,126)	RS1/10S620J	С
L 2813	(B,42,19) Inductor	CTF1334	R	1107	(A,113,115)	RS1/16S102J	
L 2814	(B,41,17) Inductor	CTF1334					
			R	1108	(A,115,115)	RS1/16S102J	
L 2831	(A,36,16) Inductor	CTF1306	R	1109	(B,112,116)	RS1/16S223J	
L 2832	(A,20,22) Inductor	CTF1306	R	1110	(B,116,116)	RS1/16S223J	
L 2833	(A,23,21) Inductor	CTF1306	R	1111	(A,111,115)	RS1/16S101J	_
L 2834	(A,33,20) Inductor	CTF1306	R	1112	(A,117,115)	RS1/16S101J	
L 2835	(A,23,23) Inductor	CTF1306					
			R	1113	(A,120,112)	RS1/16S332J	
L 2836	(A,21,21) Inductor	CTF1306	R	1114	(A,120,111)	RS1/16S682J	
L 2851	(B,71,21) Inductor	CTF1334	R	1115	(A,120,119)	RS1/10S222J	
L 2852	(B,75,21) Inductor	CTF1334	R	1118	(A,101,111)	RS1/16S0R0J	
L 2853	(B,79,20) Inductor	CTF1334	R	1119	(A,101,109)	RS1/16S0R0J	D
L 2854	(B,71,19) Inductor	CTF1334					
	(5 == (5) 1 1	0==	R	1201	(A,135,36)	RS1/16S473J	
L 2855	(B,75,19) Inductor	CTF1334	R	1202	(A,29,117)	RS1/16S563J	
L 2856	(B,79,18) Inductor	CTF1334		1203	(A,29,114)	RS1/16S473J	
L 2857	(B,88,11) Inductor	CTF1334		1204	(A,136,38)	RS1/16S473J	
L 2859	(A,93,17) Inductor	CTF1334	R	1205	(A,138,42)	RS1/16S473J	
L 2861	(B,75,23) Inductor	CTF1334					-
	(5.00.00)	OTE 400 4		1206	(A,138,39)	RS1/16S473J	
L 2862	(B,82,28) Inductor	CTF1334		1207	(A,136,48)	RS1/16S473J	
L 2886	(B,82,25) Inductor	CTF1295		1208	(B,29,118)	RS1/16S512J	
X 1601	(A,86,114) Radiator 12.58MHz			1209	(B,31,118)	RS1/16S102J	
VR1551	(A,96,48) Semi-fixed 10kΩ(B)		R	1210	(B,35,119)	RS1/16S101J	
∴ FU1202	(A,44,118) Fuse 4A	CEK1288	=	1044	(D.00.401)	D04//207171	E
 £FU1703	(A,86,122) Fuse 4A	CEK1288		1211	(B,33,121)	RS1/16S512J	
∴FU1703	, , ,			1212	(A,31,123)	RS1/16S472J	
	(A,68,124) Fuse 4A	CEK1288		1213	(A,34,123)	RS1/16S472J	
∴ FU1951	(A,118,87) Fuse 2A	CEK1284		1214	(B,55,126)	RS1/16S0R0J	
∴ FU2801	(A,24,20) Fuse 5A	CEK1289	R	1215	(B,57,127)	RS1/16S0R0J	
GY1865	(A,167,101) Sensor	CSX1074					
GY1863	(A,169,113) Sensor	CSX1078		1216	(B,43,124)	RS1/16S0R0J	
	, , ,			1217	(B,49,124)	RS1/16S0R0J	
Y 1801	(A,124,70) Tuner Unit	CWE1674		1218	(B,30,129)	RS1/16S103J	
Y 1401 EE1001	(A,46,44) FM/AM Tuner Unit			1219	(B,32,133)	RS1/16S103J	
EF1001	(A,139,32) EMI Filter	CCG1082	R	1220	(A,33,128)	RS1/16S750J	
EF1201	(A,30,131) EMI Filter	CCG1067		100.	(4.00.61)	D0://o===	_
EE1204	(A 74 17) ENALE:40*	CCC1067		1301	(A,82,21)	RS1/16S563J	F
EF1301 EF1351	(A,74,17) EMI Filter (A,52,10) EMI Filter	CCG1067 CCG1067		1302	(A,80,18)	RS1/16S473J	
EF1351 EF1701	(A,52,10) EIVII FIITER (A,91,125) EMI Filter	CCG1067 CCG1067		1303	(A,85,17)	RS1/16S102J	
EF1701 EF1901	(A,91,125) EMI Filter (A,157,29) EMI Filter	CCG1067 CCG1172	R	1304	(A,99,17)	RS1/16S102J	
LI 1901	(A, 101,20) LIVII FIRE	5001172	A1 (10 1 10 f)	1/110			4
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	Cir	cuit Symbol and No.	Part No.	C	Sircuit Symbol and No.	Part No.
	R 1305	(B,86,16)	RS1/16S223J	R 1506		RS1/16S562J
		,				
Α	R 1306	(B,100,15)	RS1/16S223J	R 1507	(A,91,34)	RS1/16S562J
	R 1307	(B,88,18)	RS1/16S101J	R 1508	, , ,	RS1/16S562J
	R 1308	(B,100,19)	RS1/16S101J	R 1509	(A,91,40)	RS1/16S562J
	R 1309 R 1310	(B,77,20) (B,81,20)	RS1/16S512J RS1/16S102J	R 1510 R 1511	(A,91,41) (A,85,47)	RS1/16S562J RS1/16S101J
	K 1310	(D,01,20)	K31/103102J	K 1311	(A,00,47)	K31/1031013
	R 1311	(A,75,25)	RS1/16S101J	R 1512	(A,86,47)	RS1/16S101J
	R 1312	(B,78,23)	RS1/16S512J	R 1551	(B,69,34)	RS1/16S0R0J
	R 1313	(A,72,20)	RS1/16S472J	R 1552	· · · /	RS1/16S0R0J
	R 1314	(A,72,23)	RS1/16S472J	R 1553	(, , ,	RS1/16S182J
	R 1315	(A,72,17)	RS1/16S103J	R 1554	(B,72,42)	RS1/16S182J
	R 1316	(B,78,14)	RS1/16S103J	R 1555	(B,78,47)	RS1/16S102J
В	R 1317	(B,75,17)	RS1/16S750J	R 1556	,	RS1/16S102J
Ь	R 1351	(A,65,11)	RS1/16S563J	R 1557	(B,91,45)	RS1/16S103J
	R 1352	(A,66,8)	RS1/16S473J	R 1558	(B,76,57)	RS1/16S123J
	R 1357	(B,61,10)	RS1/16S512J	R 1559		RS1/16S123J
	_					
	R 1358	(B,65,10)	RS1/16S102J	R 1560	(B,72,58)	RS1/16S103J
	R 1359	(A,58,15)	RS1/16S101J	R 1561	(B,72,35)	RS1/16S473J
-	R 1360 R 1363	(B,62,13)	RS1/16S512J	R 1562	· · · · /	RS1/16S473J
	R 1363 R 1364	(A,56,10) (A,56,13)	RS1/16S472J RS1/16S472J	R 1563 R 1564	(B,69,50)	RS1/16S471J RS1/16S471J
	K 1304	(A,30,13)	NO 1/1004720	K 1304	(B,69,47)	K31/1034/13
	R 1365	(B,52,10)	RS1/16S103J	R 1565	(B,72,56)	RS1/16S471J
	R 1366	(B,51,12)	RS1/16S103J	R 1566		RS1/16S471J
С	R 1367	(A,53,12)	RS1/16S750J	R 1567	(A,64,53)	RS1/16S821J
	R 1401	(A,25,33)	RS1/16S105J	R 1568	(A,69,53)	RS1/16S821J
	R 1402	(B,47,110)	RS1/16S0R0J	R 1569	(B,75,34)	RS1/16S821J
	D 4400	(D 40 400)	DC4/40C0D0 I	D 4570	(D 7F 00)	DC4/400004 I
	R 1403	(B,49,102)	RS1/16S0R0J	R 1570	(B,75,32)	RS1/16S821J
	R 1404 R 1405	(B,49,59) (B,49,56)	RS1/16S681J RS1/16S681J	R 1571 R 1572	(B,70,53) (B,65,53)	RS1/16S104J RS1/16S104J
	R 1406	(B,43,32)	RS1/16S821J	R 1572	· · · /	RS1/16S750J
	R 1407	(A,56,106)	RS1/16S103J	R 1574	\ ' ' ' '	RS1/16S105J
		, , ,			(
	R 1408	(A,58,106)	RS1/16S103J	R 1575	, , ,	RS1/16S750J
	R 1409	(A,52,111)	RS1/16S273J	R 1576	· · · /	RS1/16S0R0J
	R 1410	(B,53,102)	RS1/16S273J	R 1580	· · · /	RS1/16S105J
D	R 1411	(B,47,34)	RS1/16S330J	R 1581	(B,55,85)	RS1/4S821J
	R 1412	(A,56,110)	RS1/16S183J	R 1582	(B,56,90)	RS1/16S223J
	R 1413	(A,56,108)	RS1/16S183J	R 1583	(B,62,89)	RS1/16S473J
	R 1414	(B,55,46)	RS1/16S151J	R 1584	,	RS1/16S223J
	R 1415	(B,51,107)	RS1/16S753J	R 1585	(B,70,90)	RS1/16S563J
	R 1416	(B,53,109)	RS1/16S753J	R 1586	,	RS1/16S223J
-	R 1417	(B,55,42)	RS1/16S681J	R 1587	(B,62,84)	RS1/16S473J
	R 1418	(B,55,38)	RS1/16S152J	R 1588	(A,70,86)	RS1/16S101J
	R 1419	(B,41,29)	RS1/16S332J	R 1601	(B,115,105)	RS1/16S272J
	R 1420	(B,50,36)	RS1/16S680J	R 1602		RS1/16S101J
	R 1421	(B,53,36)	RS1/16S151J	R 1603	,	RS1/16S333J
Е	R 1422	(B,50,23)	RS1/16S151J	R 1604		RS1/16S473J
	F 4	(D. 40.05)	D04/10015::		(4.00.5.1)	D0.//.oc
	R 1423	(B,46,26)	RS1/16S101J	R 1607	(A,90,81)	RS1/16S104J
	R 1424	(B,53,22)	RS1/16S680J	R 1610	, , ,	RS1/16S681J
	R 1425 R 1426	(B,72,100) (B,49,81)	RS1/16S473J RS1/16S681J	R 1611 R 1612	(A,100,87) (A,84,85)	RS1/16S681J RAB4C681J
	R 1427	(B,86,85)	RS1/16S473J	R 1613	, , ,	RS1/16S472J
	11 1-121	(2,00,00)	1.01,100-700	1. 1013	(2,01,100)	1.01/1007/20
	R 1428	(B,49,54)	RS1/16S681J	R 1614	(A,94,89)	RS1/16S681J
	R 1429	(B,49,64)	RS1/16S681J	R 1615	(A,80,86)	RS1/16S473J
	R 1430	(B,49,66)	RS1/16S681J	R 1617	,	RS1/16S681J
	R 1431	(B,49,61)	RS1/16S681J	R 1618	, , ,	RAB4C681J
_	R 1432	(B,72,102)	RS1/16S473J	R 1619	(A,98,88)	RS1/16S104J
F	R 1433	(B,71,106)	RS1/16S473J	R 1621	(A,75,82)	RS1/16S470J
	R 1501	(A,63,35)	RS1/16S0R0J	R 1622	•	RS1/16S470J
	R 1502	(A,61,34)	RS1/16S0R0J	R 1623	, , ,	RS1/16S103J
	R 1505	(A,91,30)	RS1/16S562J	R 1624	,	RS1/16S103J
	174		AV	/IC-N2/XU/UC		
		1 -	2		3	4

Circ	cuit Symbol and No.	Part No.	Circ	uit Symbol and No.	Part No.	
R 1625	(A,96,98)	RAB4C681J	R 1881	(B,10,120)	RS1/4S102J	
K 1025	(A,90,90)	RAD4C001J	K 1001	(B, 10, 120)	K31/43102J	
R 1626	(A,72,99)	RAB4C681J	R 1901	(A,78,74)	RS1/16S102J	А
R 1627	(B,70,92)	RS1/16S563J	R 1902	(B,141,42)	RS1/16S102J	,,
R 1628	(A,71,103)	RAB4C681J	R 1903	(A,78,73)	RS1/16S272J	
R 1629	(A,96,102)	RAB4C681J	R 1904	(B,144,43)	RS1/16S272J	
R 1630	(A,96,104)	RS1/16S473J	R 1905	(B,160,33)	RS1/16S153J	
11 1000	(71,00,104)	1101/1004/00	17 1000	(5,100,00)	1101/1001000	
R 1631	(A,97,107)	RAB4C681J	R 1906	(B,157,33)	RS1/4S102J	
R 1632	(A,67,112)	RS1/16S473J	R 1907	(B,175,41)	RS1/10S271J	
R 1633	(A,67,107)	RS1/16S473J	R 1908	(B,175,63)	RS1/10S221J	
R 1634		RAB4C681J	R 1909	,	RS1/10S271J	
R 1635	(A,72,109)	RAB4C681J	R 1910	(B,175,45)	RS1/10S271J	
K 1033	(A,97,111)	KAD4C001J	K 1910	(A,167,59)	K31/1032/13	
R 1636	(4.02.122)	RS1/16S473J	R 1911	(D 175 70)	RS1/16S122J	
	(A,92,122)			(B,175,72)		_
R 1637	(B,97,118)	RS1/16S473J	R 1912	(B,160,58)	RS1/16S0R0J	В
R 1638	(B,71,97)	RS1/16S104J	R 1950	(B,111,90)	RS1/4S471J	
R 1640	(B,79,109)	RS1/16S681J	R 1951	(B,169,65)	RS1/16S432J	
R 1641	(A,92,114)	RS1/16S681J	R 1952	(B,169,64)	RS1/16S222J	
	(D. 00. 44.)	BB 1/2 - B : :	_	(D. 170.01)	B04/1-5-1	
R 1642	(B,86,111)	RS1/16S473J	R 1953	(B,170,61)	RS1/16S223J	
R 1643	(B,72,108)	RS1/16S473J	R 1954	(B,109,41)	RS1/16S122J	_
R 1644	(B,80,111)	RS1/16S473J	R 2831	(A,38,17)	RS1/16S820J	
R 1647	(B,76,109)	RS1/16S473J	R 2832	(A,38,10)	RS1/16S820J	
R 1651	(B,77,116)	RS1/16S473J	R 2833	(B,42,12)	RS1/16S223J	
R 1652	(B,79,116)	RS1/16S473J	R 2834	(B,43,8)	RS1/16S223J	
R 1657	(B,72,110)	RS1/16S473J	R 2835	(B,44,12)	RS1/16S471J	
R 1658	(B,72,112)	RS1/16S473J	R 2836	(B,45,8)	RS1/16S471J	С
R 1659	(A,82,79)	RS1/16S473J	R 2837	(A,39,7)	RS1/16S820J	J
R 1661	(A,90,85)	RS1/16S681J	R 2838	(A,33,16)	RS1/16S820J	
	(, , ,			, ,		
R 1662	(A,87,85)	RS1/16S681J	R 2839	(B,35,8)	RS1/16S223J	
R 1663	(B,88,88)	RS1/16S681J	R 2840	(A,35,12)	RS1/16S223J	
R 1664	(A,88,85)	RS1/16S681J	R 2841	(B,37,8)	RS1/16S471J	
R 1801	(B,147,69)	RS1/16S152J	R 2842	(B,32,13)	RS1/16S471J	
R 1802	(B,144,65)	RS1/16S151J	R 2843	(A,27,16)	RS1/16S820J	
1002	(0,144,00)	101/1001313	17 2040	(1,21,10)	1001/1000200	
R 1803	(B,145,63)	RS1/16S681J	R 2844	(A,27,7)	RS1/16S820J	
R 1806	(B,148,102)	RS1/16S0R0J	R 2845	(A,30,17)	RS1/16S223J	
R 1807	(B,128,73)	RS1/16S3R03	R 2846		RS1/16S223J	
	· · · /			(A,25,8)		
R 1808	(B,132,78)	RS1/16S473J	R 2847	(B,26,13)	RS1/16S471J	D
R 1810	(B,120,68)	RS1/16S221J	R 2848	(B,30,8)	RS1/16S471J	
D 4004	(4.04.400)	DC4/4000D0 I	D 0040	(4.00.00)	DC4/4000004 I	
R 1821	(A,21,122)	RS1/16S0R0J	R 2849	(A,92,23)	RS1/16SS681J	
R 1822	(B,14,123)	RS1/16S333J	R 2850	(A,89,31)	RS1/16S473J	
R 1823	(A,12,121)	RS1/16S203J	R 2851	(A,54,9)	RS1/16S0R0J	
R 1824	(A,20,117)	RS1/16S822J	R 2852	(A,61,10)	RS1/16S0R0J	
R 1825	(A,19,113)	RS1/16S202J	R 2853	(A,60,9)	RS1/16S0R0J	-
D 105-	(A 40 44=)	D04#20=2::	. :	(4.54.7)	D04//2025 - :	
R 1826	(A,16,115)	RS1/16S564J	R 2854	(A,54,7)	RS1/16S0R0J	
R 1827	(A,17,117)	RS1/16S513J	R 2855	(A,60,5)	RS1/16S0R0J	
R 1828	(A,14,119)	RS1/16S513J	R 2856	(A,54,5)	RS1/16S0R0J	
R 1829	(B,24,118)	RS1/16S102J	R 2873	(B,92,10)	RS1/16S0R0J	
R 1830	(B,22,117)	RS1/16S102J	R 2886	(B,84,28)	RS1/16S473J	E
R 1831	(B,21,122)	RS1/16S104J	R 2887	(B,86,29)	RS1/16S104J	
R 1832	(B,21,126)	RS1/16S513J	R 2888	(B,80,28)	RS1/10S102J	
R 1833	(B,16,127)	RS1/16S473J				
R 1834	(B,18,127)	RS1/16S563J	CAPACIT	ORS		
R 1835	(A,20,128)	RS1/16S104J				_
			C 1001	(B,141,26)	CCSRCH101J50	
R 1841	(A,160,110)	RS1/16S104J	C 1001	(B,143,26)	CCSRCH101J50	
R 1843	(B,144,108)	RS1/16S101J	C 1002	(B,143,20) (B,142,11)	CCSRCH101J50	
R 1861	(B,165,122)	RS1/10S105J	C 1003	(B,142,11) (B,143,17)	CCSRCH101J50	
R 1862	(B,164,115)	RS1/10S151J	C 1004 C 1005		CCSRCH101J50	
R 1871	(B,146,79)	RS1/10S103J	C 1005	(B,123,26)	OCOROT101J30	
	(-,··-,· •)		C 1006	(B,139,26)	CKSRYF104Z25	F
R 1872	(B,149,82)	RS1/10S103J				Г
R 1873	(B,143,84)	RN1/16SE1001D	C 1007	(B,121,26)	CCSRCH101J50	
R 1874	(B,139,84)	RN1/16SE1001D	C 1008	(B,137,26)	CKSRYF104Z25	
R 1875	(B,139,84) (B,140,89)	RN1/16SE1101D RN1/16SE1001D	C 1009	(B,119,26)	CCSRCH101J50	
11 10/0	(4), 170,03)	MN1/100E 1001D	N/10 N0 N/1 / 10			
_	- -	<u>,</u> _	AVIC-N2/XU/UC		8	175
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		_	2		0	7
	<u>Circ</u>	cuit Symbol and No.	Part No.	<u>Circ</u>	cuit Symbol and No.	Part No.
	C 1010	(B,135,26)	CKSRYF104Z25	C 1363	(A,54,15)	CKSYB106K6R3
Α	C 1011	(B,120,12)	CCSRCH471J50	C 1364	(A,53,7)	CKSYB106K6R3
	C 1012	(B,133,26)	CCSRCH101J50	C 1365	(B,51,14)	CKSRYB473K50
	C 1013	(B,118,25)	CCSRCH681J50	C 1401	(B,46,107)	CKSQYB225K10
	C 1014	(B,131,26)	CCSRCH101J50	C 1402	(B,50,100)	CKSQYB225K10
	C 1015	(B,120,23)	CCSRCH681J50	C 1403	(A,26,36)	CCSRCH270J50
	C 1016	(B,129,26)	CCSRCH101J50	C 1404	(B,50,88)	CKSYB475K16
	C 1017	(B,118,14)	CCSRCH681J50	C 1405	(B,42,79)	CKSRYB103K50
	C 1018	(B,127,26)	CCSRCH101J50	C 1406	(A,28,36)	CCSRCH220J50
	C 1019	(A,119,18)	CCSRCH681J50	C 1407	(B,42,88)	CKSRYB103K50
	C 1020	(B,125,26)	CCSRCH101J50	C 1408	(B,42,51)	CKSRYB103K50
В	C 1022	(A,130,33)	CKSYB106K6R3	C 1409	(A,31,33)	CCSRCH270J50
	C 1023	(A,126,35)	CKSYB106K6R3	C 1410	(A,51,92)	CEVW470M6R3
	C 1026	(A,126,39)	CCSRCJ3R0C50	C 1411	(A,53,49)	CEVW221M16
	C 1027	(A,102,30)	CKSRYB105K10	C 1412	(A,33,33)	CCSRCH330J50
	C 1028	(A,106,30)	CKSRYB105K10	C 1413	(A,35,36)	CCSRCH470J50
-	C 1029	(A,106,29)	CKSRYB105K10	C 1414	(B,39,33)	CKSRYB103K50
	C 1030	(A,106,27)	CKSRYB105K10	C 1415	(B,57,63)	CKSRYB103K50
	C 1031	(A,129,49)	CKSRYB105K10	C 1418	(A,57,100)	CEVW100M16
	C 1032	(A,122,43)	CEVW100M16	C 1419	(B,58,40)	CKSRYB103K50
	C 1033	(A,126,46)	CKSRYB104K16	C 1420	(B,50,48)	CCSRCH270J50
	C 1034	(A,101,22)	CEVW100M16	C 1421	(A,50,32)	CKSRYB103K50
	C 1035	(A,107,22)	CEVW220M16	C 1422	(B,51,45)	CCSRCH150J50
С	C 1101	(A,103,120)	CKSRYB104K16	C 1423	(A,51,85)	CEVW220M16
	C 1102	(A,110,101)	CEVW100M16	C 1424	(A,56,83)	CKSRYB103K50
	C 1103	(A,116,101)	CEVW220M16	C 1425	(B,51,105)	CCSRCH6R0D50
	C 1106	(B,111,112)	CKSRYB105K10	C 1426	(B,86,89)	CKSRYB103K50
	C 1107	(B,113,112)	CKSRYB105K10	C 1427	(B,53,111)	CCSRCH6R0D50
	C 1108	(B,115,112)	CKSRYB105K10	C 1428	(B,55,39)	CKSRYB222K50
	C 1109	(B,117,112)	CKSRYB105K10	C 1429	(A,55,104)	CKSRYB103K50
	C 1112	(B,117,123)	CCSRCH471J50	C 1430	(A,56,74)	CKSRYB104K16
	C 1113	(B,119,121)	CCSRCH471J50	C 1431	(A,51,101)	CEVW100M16
	C 1117	(B,107,123)	CKSRYB104K25	C 1432	(A,34,24)	CKSRYB103K50
D	C 1201	(A,32,114)	CKSRYB104K16	C 1433	(B,49,28)	CKSRYB222K50
	C 1202	(A,36,117)	CEVW100M16	C 1434	(A,44,23)	CKSRYB222K50
	C 1203	(A,27,114)	CKSRYB105K10	C 1435	(B,48,22)	CKSRYB222K50
	C 1204	(A,138,37)	CKSRYB103K50	C 1436	(B,74,104)	CKSRYB103K50
	C 1206	(B,33,123)	CCSRCJ3R0C50	C 1437	(B,54,48)	CKSRYB103K50
	C 1208	(A,35,126)	CKSYB106K6R3	C 1442	(A,53,60)	CEVW221M16
	C 1209	(A,30,127)	CKSYB106K6R3	C 1501	(A,62,30)	CKSQYB105K16
	C 1210	(B,33,131)	CKSRYB473K50	C 1504	(A,79,25)	CKSQYB105K16
	C 1301	(A,90,22)	CEVW100M16	C 1505	(A,95,29)	CKSQYB105K16
	C 1302	(A,96,22)	CEVW220M16	C 1506	(A,90,28)	CKSQYB105K16
E	C 1303	(A,81,24)	CKSRYB104K16	C 1507	(A,60,47)	CKSQYB105K16
	C 1304	(A,85,22)	CEVW100M16	C 1508	(A,60,45)	CKSQYB105K16
	C 1305	(A,82,18)	CKSRYB105K10	C 1509	(A,91,32)	CKSQYB105K16
	C 1306	(B,86,24)	CKSRYB105K10	C 1510	(A,95,35)	CKSQYB105K16
	C 1307	(B,86,19)	CKSRYB105K10	C 1511	(A,95,37)	CKSQYB105K16
	C 1308	(B,96,19)	CKSRYB105K10	C 1512	(A,94,41)	CKSQYB105K16
	C 1309	(B,96,18)	CKSRYB105K10	C 1513	(A,90,44)	CKSQYB105K16
	C 1311	(B,77,23)	CCSRCJ3R0C50	C 1514	(A,92,44)	CKSQYB105K16
1	C 1313	(B,74,22)	CKSYB106K6R3	C 1515	(A,78,47)	CKSRYB103K50
	C 1314	(A,70,19)	CKSYB106K6R3	C 1516	(A,82,52)	CEVW220M16
	C 1315	(B,99,8)	CCSRCH471J50	C 1517	(A,61,40)	CEVW100M16
	C 1316	(B,78,16)	CKSRYB473K50	C 1551	(B,91,43)	CCSRCH7R0D50
	C 1318	(B,95,8)	CCSRCH471J50	C 1552	(B,79,35)	CKSRYB222K50
F	C 1353 C 1354 C 1355	(A,65,13) (A,64,17)	CKSRYB104K16 CEVW100M16 CKSRYB105K10	C 1553 C 1554 C 1555	(B,79,31) (B,76,48)	CKSRYB222K50 CKSRYB222K50 CKSRYB222K50
_	C 1355 C 1361 176	(A,64,8) (B,61,13)	CCSRCJ3R0C50 AVIC-	C 1556 N2/XU/UC	(B,74,46) (B,76,56)	CCSRCJ3R0C50
		1 -	2	-	3	4

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	Circ	uit Symbol and No.	Part No.	Circ	uit Symbol and No.	Part No.	
	C 1557	(A,92,54)	CEVW101M16	C 1866	(A,173,96)	CKSRYB104K16	
	0.4550	(0.77.50)	01/00/04/00//50	0.4007	(4 474 407)	01/00/01/05/40	
	C 1558	(B,77,52)	CKSRYB103K50	C 1867	(A,174,107)	CKSRYB105K10	Α
	C 1559	(B,75,36)	CKSQYB225K10	C 1871	(B,161,87)	CKSRYF103Z50	
	C 1560	(B,75,30)	CKSQYB225K10	C 1872	(A,146,77)	CKSRYB104K25	
	C 1561	(A,70,49)	CEVW100M16	C 1873	(A,147,77)	CKSRYB334K10	
	C 1562	(A,65,49)	CEVW100M16	C 1874	(A,163,90)	CKSRYF103Z50	
	C 1563	(B,96,45)	CKSYB475K16	C 1875	(A,153,79)	CEVW101M16	
	C 1564	(A,71,56)	CKSYB475K16	C 1876	(A,140,78)	CEVW470M16	
	C 1565	(A,98,40)	CKSRYB103K50	C 1877	(A,154,91)	CKSRYB104K16	
	C 1566	(A,74,60)	CKSRYB103K50	C 1878	(A,150,88)	CKSRYF104Z25	
	C 1567	(A,103,35)	CEVW470M16	C 1879	(A,156,91)	CKSRYB474K10	
		, , ,			, , ,		
	C 1568	(A,75,65)	CEVW470M16	C 1880	(A,144,77)	CKSRYB104K25	
	C 1569	(A,102,48)	CEVW330M10	C 1881	(B,10,123)	CKSRYB104K25	В
	C 1570	(A,103,42)	CEVW101M4	C 1882	(A,146,88)	CEVW470M16	
	C 1571	(A,63,64)	CEVW330M10	C 1901	(A,158,36)	CEVW101M16	
	C 1572	(A,69,64)	CEVW101M4	C 1902	(A,145,46)	CEVW101M16	
	0.4575	(D.00.47)	OKODVD404K05	0.4000	(4.70.00)	01/07/704041/40	
	C 1575	(B,80,47)	CKSRYB104K25	C 1903	(A,78,80)	CKSRYB104K16	
	C 1576	(B,67,42)	CKSRYB104K25	C 1904	(B,132,41)	CKSRYB104K25	•
	C 1577	(A,76,51)	CEVW101M16	C 1905	(A,143,40)	CKSRYB103K50	
	C 1580	(A,61,88) 22µF	CCG1183	C 1906	(A,161,30)	CKSRYB103K50	
	C 1601	(B,119,101)	CKSRYB103K50	C 1907	(B,170,34)	CKSRYB103K50	
	C 1602	(A,81,82)	CKSRYB104K16	C 1908	(A,166,31)	CEVW101M16	
	C 1603	(A,91,120)	CKSRYB103K50	C 1910	(A,166,45)	CEVW101M16	
				C 1910 C 1911			_
	C 1604	(A,84,76)	CEVW100M16		(B,168,61)	CKSRYB104K25	С
	C 1605 C 1606	(A,87,79)	CKSRYB103K50	C 1912	(B,169,44)	CKSRYB103K50	
	C 1606	(A,94,120)	CKSRYB222K50	C 1913	(B,170,56)	CKSRYB103K50	
	C 1607	(A,87,81)	CKSRYB103K50	C 1914	(B,169,39)	CKSRYB103K50	
	C 1610	(A,73,93)	CKSRYB102K50	C 1915	(A,166,53)	CEVW101M16	
	C 1611	(A,95,95)	CKSRYB102K50	C 1916	(A,166,38)	CEVW101M16	
	C 1612	(A,72,106)	CKSRYB102K50	C 1917	(A,155,46)	CEVW101M16	
	C 1613	(A,82,113)	CKSRYB102K50	C 1918	(A,155,41)	CKSRYB103K50	
	C 1614	(B,84,111)	CKSRYB105K10	C 1919	(A,165,74)	CEVW101M16	
	C 1615	(A,90,115)	CKSRYB103K50	C 1920	(B,169,73)	CKSRYB103K50	
	C 1616	(A,70,93)	CKSRYB104K16	C 1921	(B,169,69)	CKSRYB103K50	
	C 1619	(A,102,90)	CKSRYB104K16	C 1922	(A,173,84)	CKSRYB104K16	D
	C 1620	(A,96,86)	CKSRYB104K16	C 1923	(A,166,65)	CEVW470M16	
	C 1601	(1, 04, 447)	CKCDVD404K46	C 1004	(A 470 0C)	CKCDVD403KE0	
	C 1621	(A,94,117)	CKSRYB104K16	C 1924	(A,173,86)	CKSRYB103K50	
	C 1622	(B,112,98)	CKSRYB103K50	C 1925	(A,172,91)	CEVW220M16	
	C 1623	(B,111,105)	CKSRYB103K50	C 1950	(A,122,94)	CEVW101M16	
	C 1801	(B,149,69)	CKSRYB222K50	C 1951	(B,108,85)	CKSRYB103K50	•
	C 1802	(B,139,67)	CKSRYB103K50	C 1952	(B,115,86)	CKSRYB103K50	-
	C 1803	(B,146,68)	CCSRCH220J50	C 1953	(A,127,87)	CEVW101M16	
	C 1805	(A,123,76)	CEVW100M16	C 1954	(A,113,39)	CEVW101M16	
	C 1806	(B,120,76)	CKSRYB473K50	C 1955	(B,112,44)	CKSRYB103K50	
	C 1807	(A,129,78)	CEVW220M16	C 1956	(B,104,44)	CKSRYB103K50	
	C 1807		CKSRYB103K50	C 1957		CEVW101M16	_
	C 1000	(B,126,73)	CNSKTBTUSKSU	C 1957	(A,111,47)	CEVWIUINII	Е
	C 1809	(B,132,72)	CKSRYB103K50	C 2813	(B,23,31)	CKSRYF104Z25	
	C 1810	(B,136,80)	CKSRYB473K50	C 2814	(B,18,32)	CKSRYF104Z25	
	C 1811	(B,114,73)	CKSRYB103K50	C 2831	(A,38,20)	CEVW100M16	
	C 1812	(B,124,68)	CKSRYB224K16	C 2832	(A,39,13)	CEVW100M16	
	C 1821	(A,11,118)	CKSRYB823K16	C 2833	(B,42,15)	CKSRYB222K50	_
		(, , , ,			(, , ,		
	C 1822	(B,17,124)	CKSRYB104K25	C 2834	(B,44,6)	CKSRYB222K50	
	C 1823	(B,17,122)	CKSRYB103K50	C 2837	(A,44,7)	CEVW100M16	
	C 1824	(A,14,117)	CKSRYB104K16	C 2838	(A,29,20)	CEVW100M16	
	C 1825	(B,23,122)	CKSRYB102K50	C 2839	(B,35,5)	CKSRYB222K50	
	C 1826	(A,21,119)	CKSRYF104Z25	C 2840	(B,33,15)	CKSRYB222K50	
	C 1862	(B 161 122)	CKSRYB103K50	C 2843	(Δ 20 13)	CEVW100M16	F
		(B,161,122)			(A,29,13)		
	C 1863	(B,163,111)	CKSYB106K6R3	C 2844	(A,34,7)	CEVW100M16	
	C 1864	(B,168,98)	CKSRYB104K25	C 2845	(B,28,15)	CKSRYB222K50	
	C 1865	(A,166,94)	CCSRCH102J50	C 2846	(B,28,5)	CKSRYB222K50	477
		5	6	AVIC-N2/XU/UC	7	8	177 ■
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	<u>Cir</u> C 2849	cuit Symbol and No. (A,92,24)	Part No. CKSSYB102K50	<u>Cir</u> q Q 4156	cuit Symbol and No. (A,39,26) Transistor	Part No. UMZ1N
	C 2851	(B,23,33)	CKSRYF103Z50	Q 4182	(A,39,21) Transistor	UMX2N
Α	C 2879	(A,96,21)	CEVW470M16	Q 4183	(A,39,16) Transistor	UMT2N
	C 2880	(A,73,40)	CKSRYF104Z25	Q 4603	(A,98,26) Transistor	2SC4617
	C 2886	(B,89,25)	CKSRYF104Z25	Q 4681	(A,11,7) Transistor	IMD3A
	C 2887	(B,20,32)	CKSRYF104Z25	Q 4682	(A,11,11) Transistor	IMD3A
		,				
	Monitor			Q 4683 Q 4741	(A,11,15) Transistor (A,119,60) Transistor	FMG12 DTA123JK
_	<u>Consists</u>	<u>s of</u>		Q 4741 Q 4742	(A,119,56) Transistor	DTC124EK
	Monitor	PCB		Q 4742 Q 4831	(A,148,28) Transistor	2SB1260
	Upper Po			Q 4832	(A,141,22) Transistor	DTC114EK
	Inverter			Q 4032	(A, 141,22) Halisistol	DICTIALK
	-			Q 4833	(A,140,18) Transistor	2SC4617
В				Q 4835	(A,100,45) Transistor	2SD1664
	G H			Q 4851	(A,131,26) FET	CPH6316
	Unit Nu	imber:CWM9950(AVIC-N2/XU/UC)	Q 5001	(B,12,33) Transistor	2SC4617
		mber:CWM9949(Q 5002	(B,13,36) Transistor	2SC4617
		me:Monitor Unit	,	Q 5003	(B,8,36) Transistor	DTA144EE
_	Omi na			Q 5004	(B,6,35) Transistor	2SC4617
	MICCELI	ANEOUS		Q 5011	(B,10,10) Transistor	2SC4097
	MISCELI	<u> ANEOUS</u>		Q 5020	(B,9,64) Transistor	2SC4617
	10, 4004	(4.20.50) 10	T0004644F D	Q 5101	(B,12,69) Transistor	2SC4617
	IC 4001 IC 4061	(A,28,50) IC (A,55,79) IC	TC90A64AF-P TC7SH08FUS1			
	IC 4141	(A,62,38) IC	TC7SH08FUS1	Q 5102	(B,11,67) Transistor	2SC4617
	IC 4141	(A,67,43) IC	TK15404AMI	Q 5103	(B,10,62) Transistor	2SA1774
С	IC 4151	(A,53,34) IC	NJM2138V	Q 5105	(B,7,67) Transistor	UMX2N
	10 4101	(1,00,04)	NOIVIZ 130 V	D 4301	(A,5,132) Diode	DAN202U
	IC 4181	(A,45,18) IC	NJM082BV	D 4311	(A,11,37) Diode	AM-30-21
	IC 4212	(A,102,28) IC	TC7SH08FUS1	D 4321	(A,9,119) LED	CL-490S-WF-SD
	IC 4311	(A,11,33) IC	NJM062V	D 4321	(A,9,50) LED	CL-490S-WF-SD
	IC 4311	(A,11,33) IC	NJM062V	D 4355	(A,10,160) LED	CL-190UB2-X
	IC 4601	(A,77,31) IC	PE5413B	D 4356	(A,10,148) LED	CL-190UB2-X
	IC 4602	(A,67,10) IC	S-80835CNNB-B8U	D 4357	(A,10,21) LED	CL-190UB2-X
	IC 4651	(A,64,25) IC	S-93C46BR0I-J8T1	D 4050	(A 40 0) LED	OL 400LID0 V
	IC 4701	(A,106,68) IC	PD6340A	D 4358	(A,10,9) LED	CL-190UB2-X
	IC 4702	(A,137,76) IC	TC7SH08FUS1	D 4601	(A,99,32) Diode	RB500V-40
_	IC 4841	(A,125,45) IC	R1130H251B	D 4681 D 4682	(A,14,13) Diode (A,13,18) Diode	MA111 MA111
D	IC 4851	(A,134,21)	R1224N102H	D 4683	(A,10,20) Diode	UDZS5R6(B)
	10 4004	(4 4 4 2 4 7) 10	MANAZAOEUEGA			
	IC 4861 IC 4901	(A,143,47) IC (A,93,19) IC	MAX1748EUES1 NJM2903V	D 4684	(A,10,25) Diode	UDZS5R6(B)
	IC 4901	(B,5,14) IC	TC7SET08FUS1	D 4701	(A,114,77) Diode	UDZS5R6(B)
	IC 5003	(B,10,46) IC	OZ961ISN	D 4702	(A,113,77) Diode	UDZS5R6(B)
	IC 5004	(A,9,59) FET	SI6544DQ	D 4703	(A,121,73) Diode	UDZS5R6(B)
	.0 000 .	(* 1,0,00)	0.00 1.12 4	D 4704	(A,119,73) Diode	UDZS5R6(B)
	IC 5005	(A,13,56) FET	SI6544DQ	D 4705	(A,102,79) Diode	UDZS5R6(B)
	Q 4002	(A,44,62) Transistor	2SC4617	D 4706	(A,100,79) Diode	UDZS5R6(B)
	Q 4101	(A,54,66) Transistor	2SC4617	D 4831	(A,142,19) Diode	UDZS22(B)
	Q 4102	(A,48,63) Transistor	2SA1774	D 4835	(A,104,41) Diode	UDZS5R6(B)
Ε	Q 4103	(A,49,65) Transistor	2SC4617	D 4852	(A,131,31) Diode	U2FWJ44N
	Q 4111	(A,56,60) Transistor	2SC4617	D 4861	(A,135,50) Diode	RB160M-30
	Q 4112	(A,48,57) Transistor	2SA1774	D 4862	(A,137,57) Diode	RB500V-40
	Q 4113	(A,51,60) Transistor	2SC4617	D 4863	(A,139,57) Diode	RB500V-40
	Q 4121	(A,56,54) Transistor	2SC4617	D 4864	(A,141,57) Diode	RB500V-40
_	Q 4122	(A,48,51) Transistor	2SA1774	D 4865	(A,143,57) Diode	RB500V-40
	Q 4123	(A,51,54) Transistor	2SC4617	B 4655	/A 445 57' D' '	DD500\/.45
	Q 4123 Q 4131	(A,56,49) Transistor	2SC4617 2SC4617	D 4866	(A,145,57) Diode	RB500V-40
	Q 4131 Q 4132	(A,48,46) Transistor	2SA1774	D 4867	(A,146,56) Diode	RB500V-40
	Q 4132 Q 4133	(A,51,49) Transistor	2SC4617	D 4868	(A,148,56) Diode	RB500V-40
	Q 4151	(A,46,38) Transistor	UMZ1N	D 4869	(A,150,56) Diode	RB500V-40
F		(, -,,	= ····	D 5001	(B,11,31) Diode	UDZS6R8(B)
Г	Q 4152	(A,39,35) Transistor	UMZ1N	D 5003	(A,13,45) LED	CL-195PG-CD
	Q 4153	(A,39,32) Transistor	UMZ1N	D 5004	(A,13,42) LED (EW)	CL-195SR-CD
	Q 4154	(A,54,26) Transistor	UMZ1N	D 5005	(A,13,31) LED	CL-195PG-CD
	Q 4155	(A,47,26) Transistor	UMZ1N	D 5006	(A,13,28) LED (EW)	CL-195SR-CD
	178		AVIC-N2/2	XU/UC		_
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Cir	cuit Symbol and No.	Part No.	Circ	uit Symbol and No.	Part No.	
D 5007	(A,13,16) LED	CL-190UB2-X	S 4351	(A,12,160) Push Switch	CSG1111	
	, , ,		S 4352	(A,12,148) Push Switch	CSG1111	
D 5008	(A,13,10) LED	CL-190UB2-X				Α
D 5009	(A,11,42) Diode	RB751V40	S 4353	(A,12,21) Push Switch	CSG1111	
D 5010	(A,17,53) Diode	UDZS6R2(B)	S 4354	(A,12,9) Push Switch	CSG1111	
D 5011	(A,7,56) Diode	UDZS6R2(B)	S 5001	(A,18,43) Push Switch	CSG1111	
D 5012	(B,6,71) Diode	UDZS6R2(B)	S 5002	(A,18,29) Push Switch	CSG1111	
5 5 1 1 1 1 1 1 1 1 1 1	(5.45.55) 51.4		S 5003	(A,18,13) Push Switch	CSG1111	
D 5013	(B,18,69) Diode	MA147	\/D5004	(A 0 40) O' C 451 O	(D) 00D4 400	
D 5014	(B,6,74) Diode	MA147	VR5001	(A,8,43) Semi-fixed 15kΩ(· ,	_
D 5016	(B,16,10) Diode	UDZS5R6(B)	<u></u> £FU4831 	(A,117,10) Fuse 630mA	CEK1252	
D 5030 D 5101	(A,16,19) Diode (EW) (B,15,67) Diode	DAN202U UDZS8R2(B)	<u> </u>	(B,7,24) Fuse 1.25A	CEK1255	
D 3101	(B, 13,07) Diode	0D230N2(B)	RESISTOR	96		
L 4001	(A,17,38) Inductor	CTF1306	<u>KESIS I OI</u>	<u>13</u>		
L 4002	(A,21,36) Inductor	CTF1306	R 4001	(A,26,33)	RS1/16S101J	В
L 4003	(A,26,36) Inductor	CTF1306	R 4001	(A,20,34)	RS1/16S470J	Ь
L 4004	(A,27,36) Inductor	CTF1306	R 4003	(A,28,34)	RS1/16S101J	
L 4005	(A,28,65) Inductor-Array	CTF1421	R 4004	(A,33,34)	RS1/16S101J	
			R 4005	(A,43,43)	RS1/16S473J	
L 4006	(A,23,65) Inductor-Array	CTF1421		(, , , , , , , , , , , , , , , , , , ,		
L 4008	(A,26,65) Inductor	CTF1306	R 4006	(A,45,45)	RS1/16S392J	_
L 4009	(A,23,37) Inductor	CTF1306	R 4009	(A,44,60)	RS1/16S152J	
L 4011	(A,19,36) Inductor	CTF1306	R 4010	(A,42,65)	RS1/16S331J	
L 4012	(A,24,36) Ferrite Bead	CTF1528	R 4012	(A,33,63)	RS1/16SS105J	
			R 4013	(A,34,64)	RS1/16S391J	
L 4013	(A,30,63) Ferrite Bead	CTF1528				
L 4014	(A,24,63) Ferrite Bead	CTF1528	R 4014	(A,28,69)	RAB4C101J	
L 4015	(A,20,64) Inductor	CTF1306	R 4015	(A,25,69)	RS1/16S473J	С
L 4016	(A,16,47) Ferrite Bead	CTF1528	R 4018	(A,22,69)	RS1/16S101J	
L 4017	(A,28,37) Inductor	CTF1306	R 4022	(A,20,66)	RS1/16S101J	
L 4071	(A,50,69) Inductor	LCYA100J2520	R 4023	(A,18,72)	RS1/16S0R0J	
L 4074	(A,45,41) Inductor	LCYA100J2520	B 4024	(4 47 62)	DC4/46C2221	
L 4075	(A,53,70) Inductor	LCYA100J2520	R 4024 R 4025	(A,17,62) (A,15,39)	RS1/16S333J RS1/16S101J	
L 4078	(A,43,68) Inductor	LCYA100J2520	R 4025 R 4026	(A, 13,39) (A,30,35)	RS1/16S101J	
L 4079	(A,41,68) Inductor	CTF1306	R 4027	(A,16,37)	RS1/16S101J	
	() , , , , , , , , , , , , , , , , , ,		R 4030	(A,18,33)	RS1/16S101J	
L 4081	(A,51,75) Inductor	LCYC2R2K2125	17 4000	(71, 10,00)	1101/1001010	
L 4101	(A,121,37) Inductor	LCYA100J2520	R 4031	(A,29,34)	RS1/16S101J	
L 4141	(A,71,63) Inductor	LCYA100J2520	R 4061	(A,64,81)	RS1/16S473J	
L 4151	(A,62,31) Inductor	LCYA100J2520	R 4062	(A,63,78)	RS1/16S152J	D
L 4152	(A,61,18) Inductor	LCYA100J2520	R 4063	(A,58,80)	RS1/16S0R0J	
			R 4064	(A,57,82)	RS1/16S0R0J	
L 4181	(A,57,19) Coil	LCYA101J2520				
L 4182	(A,57,16) Coil	LCYA101J2520	R 4084	(A,20,74)	RS1/16S473J	
L 4311	(A,6,38) Inductor	LCYA100J2520	R 4085	(A,22,74)	RS1/16S473J	
L 4311	(A,6,38) Inductor	LCYA100J2520	R 4086	(A,22,70)	RS1/16S473J	
L 4601	(A,83,14) Inductor	LCYA100J2520	R 4087	(A,40,75)	RS1/16S104J	_
L 4701	(A,119,63) Inductor	LCYA100J2520	R 4088	(A,43,81)	RS1/16S104J	
L 4801	(A,20,31) Inductor	LCYA100J2520	D 4000	(4, 45,00)	D04/4004041	
L 4802	(A,23,30) Inductor	LCYA100J2520	R 4089	(A,45,82)	RS1/16S104J	
L 4803	(A,27,30) Inductor	LCYA100J2520	R 4101 R 4102	(A,57,66)	RS1/16S8201F RS1/16S5602F	
L 4804	(A,30,30) Inductor	LCYA100J2520	R 4102 R 4103	(A,57,63) (A,55,63)	RS1/16S681J	Е
L 4841	(A,126,37) Choke Coil 10µH		R 4103	(A,53,64)	RS1/16S331J	L
	(, , , , , , , , , , , , , , , , , , ,		17 4104	(1,00,04)	101/1000010	
L 4851	(A,142,28) Choke Coil 10µH	CTH1259	R 4105	(A,105,11)	RS1/16S104J	
L 4852	(A,126,26) Choke Coil 18µH	CTH1250	R 4107	(A,61,65)	RS1/16S6801D	
L 4861	(A,137,37) Choke Coil 10µH	CTH1249	R 4108	(A,51,66)	RS1/16S331J	
L 4862	(A,136,46) Choke Coil 6.8µH	1 CTH1248	R 4109	(A,49,63)	RS1/16S391J	_
L 4863	(A,137,62) Inductor	LCTC100K1608	R 4110	(A,47,66)	RS1/16S391J	
L 4864	(A,130,55) Inductor	LCYA100J2520	R 4111	(A,58,60)	RS1/16S153J	
L 4865	(A,149,65) Inductor	LCYA100J2520	R 4112	(A,58,57)	RS1/16S104J	
L 4901	(A,92,27) Inductor	LCYA2R2J2520	R 4113	(A,57,57)	RS1/16S681J	
T 5001	(A,9,80) Transformer	CTT1103	R 4114	(A,54,59)	RS1/16S331J	
TH4601	(A,145,82) Thermistor	CCX1051	R 4115	(A,102,13)	RS1/16S75R0D	F
X 4001	(A,35,68) Crystal Resonator 42MHz	- CSS1604	Б	(4.54.00)	D04/40005::	
X 4601	(A,35,68) Crystal Resonator 42MHz (A,76,18) Radiator 12.58MHz		R 4118	(A,54,60)	RS1/16S331J	
X 4701	(A, 107, 78) Ceramic Resonator 4.97MHz		R 4119	(A,50,57)	RS1/16S391J	
	(· · · · · · · · · · ·) Ocianno Nesonator 4.9/WID	300.0.0	AVIC-N2/XU/UC	1		170
•	5 ■	6	AVIC-NZ/XU/UC	7 ■	8	179 ■

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	Circ	cuit Symbol and No.	Part No.	C	ircuit Symbol and No.	Part No.
	R 4120	(A,49,60)	RS1/16S391J	R 4193	(A,37,14)	RS1/16S0R0J
	R 4121	(A,58,54)	RS1/16S153J	R 4193	(A,39,18)	RS1/16S0R0J
Α	R 4122	(A,58,51)	RS1/16S104J	R 4208	(A,124,72)	RS1/16S101J
^		(, , ,			, , ,	
	R 4123	(A,57,51)	RS1/16S681J	R 4209	(A,123,69)	RS1/16S101J
	R 4124	(A,54,53)	RS1/16S331J	R 4211	(A,103,22)	RS1/16S681J
	R 4125	(A,103,14)	RS1/16S75R0D	R 4311	(A,13,30)	RS1/16S275J
	R 4128	(A,54,54)	RS1/16S331J	R 4312	(A,15,30)	RS1/16S105J
	R 4129	(A,50,51)	RS1/16S391J	R 4313	(A,7,33)	RS1/16SS393J
	R 4130	(A,49,54)	RS1/16S391J	R 4314	(A,8,31)	RS1/16S103J
	R 4131	(A,58,49)	RS1/16S153J	R 4315	(A,15,45)	RS1/16SS121J
	R 4132	(A,58,46)	RS1/16S104J	R 4321	(A,14,124)	RS1/16SS121J
	R 4133	(A,57,46)	RS1/16S681J	R 4322	(A,9,124)	RS1/16SS121J
	R 4134	(A,54,47)	RS1/16S331J	R 4323	(A,8,44)	RS1/16SS121J
В	5	(4.40=.4=)	D0.//	5	(4.45.44)	201112001211
	R 4135	(A,105,15)	RS1/16S75R0D	R 4324	(A,10,44)	RS1/16SS121J
	R 4138 R 4139	(A,54,49) (A,50,46)	RS1/16S331J RS1/16S391J	R 4359 R 4360	(A,8,139) (A,8,140)	RS1/16SS181J RS1/16SS121J
	R 4140	(A,49,49)	RS1/16S391J	R 4361	(A,8,141)	RS1/16SS121J
	R 4141	(A,64,42)	RS1/16S105J	R 4362	(A,8,142)	RS1/16SS121J
_		, , ,			, , , ,	
	R 4142	(A,62,43)	RS1/16S224J	R 4363	(A,4,129)	RS1/16SS181J
	R 4145	(A,64,46)	RS1/16S1501D	R 4364	(A,6,129)	RS1/16SS121J
	R 4146	(A,66,45)	RS1/16S5602F	R 4365	(A,11,26)	RS1/16SS121J
	R 4147	(A,65,38)	RS1/16S3302F	R 4366	(A,10,27)	RS1/16SS121J
	R 4148	(A,65,37)	RS1/16S1002F	R 4453	(A,138,72)	RS1/16S101J
С	R 4150	(A,39,30)	RS1/16S183J	R 4454	(A,138,71)	RS1/16S101J
C	R 4152	(A,48,35)	RS1/16S3901F	R 4601	(A,104,23)	RS1/16S473J
	R 4153	(A,45,35)	RS1/16S1501F	R 4602	(A,106,28)	RS1/16S473J
	R 4154	(A,54,30)	RS1/16S102J	R 4603	(A,79,17)	RS1/16S473J
	R 4155	(A,51,30)	RS1/16S102J	R 4604	(A,89,27)	RS1/16SS471J
	R 4156	(A,45,32)	RS1/16S1501F	R 4605	(A,71,19)	RS1/16SS471J
	R 4150	(A,48,31)	RS1/16S1301F RS1/16S3901F	R 4606	(A,89,30)	RAB4CQ471J
	R 4160	(A,60,37)	RS1/16S1002F	R 4607	(A,89,33)	RAB4CQ471J
	R 4161	(A,60,35)	RS1/16S1802F	R 4608	(A,88,35)	RS1/16SS471J
	R 4162	(A,57,30)	RS1/16S102J	R 4610	(A,77,42)	RS1/16SS471J
	D 4400	(4.55.00)	D04/4000045	D 4044	(4.00.40)	D04/4004704
_	R 4163	(A,55,38)	RS1/16S3901F RS1/16S1501F	R 4611	(A,83,42)	RS1/16S470J
D	R 4164 R 4165	(A,52,38) (A,49,38)	RS1/16S102J	R 4612 R 4613	(A,78,42) (A,81,42)	RS1/16S470J RS1/16S272J
	R 4166	(A,44,38)	RS1/16S272J	R 4614	(A,80,42)	RS1/16S272J
	R 4167	(A,42,35)	RS1/16S102J	R 4615	(A,71,15)	RS1/16SS471J
	R 4168	(A,37,35)	RS1/16S272J	R 4616	(A,73,15)	RS1/16S104J
	R 4169	(A,42,32)	RS1/16S102J	R 4617	(A,73,13)	RS1/16S473J
_	R 4170	(A,37,32)	RS1/16S272J RS1/16S331J	R 4618	(A,88,28)	RS1/16SS471J
	R 4171 R 4172	(A,52,26) (A,59,26)	RS1/16S3313 RS1/16S103J	R 4619 R 4621	(A,97,29) (A,98,29)	RS1/16S473J RS1/16S223J
	17 4112	(71,00,20)	1101/1001000	11 4021	(71,00,20)	1101/1002200
	R 4174	(A,44,27)	RS1/16S331J	R 4622	(A,95,33)	RS1/16S473J
	R 4175	(A,48,24)	RS1/16S103J	R 4623	(A,99,29)	RS1/16S0R0J
Е	R 4177	(A,36,27)	RS1/16S331J	R 4624	(A,87,42)	RAB4CQ473J
	R 4178	(A,42,24)	RS1/16S103J	R 4625	(A,65,12)	RS1/16S103J
	R 4180	(A,35,29)	RS1/16S243J	R 4626	(A,67,29)	RS1/16S473J
	R 4181	(A,42,23)	RS1/16S3002F	R 4627	(A,83,17)	RAB4CQ472J
	R 4182	(A,47,22)	RS1/16S223J	R 4628	(A,65,14)	RS1/16S0R0J
_	R 4183	(A,45,22)	RS1/16S1203F	R 4629	(A,84,42)	RS1/16S473J
	R 4184	(A,47,19)	RS1/16S1602F	R 4630	(A,64,16)	RS1/16S0R0J
	R 4185	(A,48,15)	RS1/16S1502F	R 4631	(A,82,21)	RAB4CQ471J
	R 4186	(A 12 21)	RS1/16S1002F	R 4642	(A,68,14)	RS1/16S473J
	R 4186 R 4187	(A,42,21) (A,42,18)	RS1/16S1002F RS1/16S1002F	R 4642	(A,66,14) (A,69,18)	RS1/16S473J RS1/16S473J
	R 4188	(A,42,16)	RS1/16S101J	R 4650	(A,66,29)	RS1/16SS471J
F	R 4189	(A,37,19)	RS1/16S153J	R 4651	(A,67,33)	RAB4CQ471J
	R 4190	(A,41,21)	RS1/16S100J	R 4652	(A,67,35)	RS1/16SS471J
	D 4404	(4.05.44)	D04/400450 !	D 1055	(4.77.40)	D04/400400 !
	R 4191 R 4192	(A,35,14) (A,42,14)	RS1/16S153J RS1/16S100J	R 4655 R 4657	(A,77,46) (A,66,28)	RS1/16S102J RS1/16SS0R0J
	180	(* ') '—; · T/		C-N2/XU/UC	(1,00,20)	1.5.710000100
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Circ	cuit Symbol and No.	Part No.	Cir	cuit Symbol and No.	Part No.	
R 4670	(A,85,19)	RS1/16S1502D	R 5014	(A,8,14)	RS1/16S102J	
R 4681	(A,10,23)	RS1/16S104J	R 5015	(B,18,67)	RS1/16S105J	
R 4682	(A,10,19)	RS1/16S104J	R 5016	(A,12,48)	RS1/16S563J	А
	(* 1, 10, 10)			(* 1, 12, 10)	11017100000	^
R 4683	(A,13,22)	RS1/16S102J	R 5017	(A,17,51)	RS1/16S103J	
R 4684	(A,13,20)	RS1/16S102J	R 5018	(A,8,55)	RS1/16S103J	
R 4701	(A,116,74)	RS1/16S101J	R 5019	(B,6,70)	RS1/16S511J	
R 4702	(A,116,73)	RS1/16S101J	R 5020	(B,6,68)	RS1/16S821J	
R 4703	(A,98,79)	RS1/16S101J	R 5022	(A,16,24)	RS1/16SS181J	
	(. 1,00,1.0)			(* 1, 1 3, 2 1)	1101710001010	
R 4704	(A,98,78)	RS1/16S101J	R 5023	(A,14,8)	RS1/16SS0R0J	
R 4705	(A,111,77)	RS1/16S471J	R 5024	(A,15,24) (EW)	RS1/16SS151J	
R 4707	(A,116,69)	RS1/16S0R0J	R 5030	(A,19,18) (UC)	RS1/16S470J	
R 4709	(A,106,58)	RS1/16SS472J	R 5031	(B,13,9)	RS1/16S332J	
R 4711	(A,134,74)	RS1/16S471J	R 5101	(B,6,63)	RS1/16S101J	
						В
R 4741	(A,106,83)	RS1/16S0R0J	R 5102	(B,11,64)	RS1/16S103J	
R 4742	(A,115,80)	RS1/16S0R0J	R 5103	(B,6,64)	RS1/16S471J	
R 4743	(A,101,83)	RS1/16S473J	R 5104	(B,9,69)	RS1/16S101J	
R 4802	(A,17,21)	RS1/16S0R0J	R 5105	(B,14,67)	RS1/16S104J	
R 4803	(A,35,20)	RS1/16S333J	R 5106	(B,14,65)	RS1/16S103J	
						_
R 4804	(A,52,29)	RS1/16S0R0J	R 5107	(B,12,63)	RS1/16S473J	
R 4805	(A,45,24)	RS1/16S0R0J	R 5108	(B,10,69)	RS1/16S101J	
R 4806	(A,37,24)	RS1/16S0R0J	R 5109	(A,7,15)	RS1/16S824J	
R 4831	(A,147,24)	RS1/16S153J				
R 4832	(A,143,23)	RS1/16S472J	<u>CAPACI</u>	<u>TORS</u>		
D 4000	(4.445.00)	DC4/4004701				
R 4833	(A,145,23)	RS1/16S472J	C 4001	(A,19,37)	CKSRYB105K6R3	С
R 4834	(A,144,19)	RS1/16S103J	C 4002	(A,24,37)	CKSSYF104Z16	
R 4835	(A,104,45)	RS1/16S121J	C 4003	(A,31,37)	CKSSYF104Z16	
R 4851	(A,135,23)	RS1/16S5102D	C 4004	(A,33,37)	CKSSYF104Z16	
R 4852	(A,137,22)	RS1/16S2202D	C 4005	(A,32,36)	CKSSYF104Z16	
R 4853	(A,137,25)	RS1/16S272J	0.4000	(4.04.0=)	01/00//=10/=10	
R 4854	(A,131,19)	RS1/16S100J	C 4006	(A,34,37)	CKSSYF104Z16	
R 4855	(A,135,17)	RS1/16S100J	C 4007	(A,36,37)	CKSSYF104Z16	
	(' ' '		C 4008	(A,38,38)	CKSSYF104Z16	
R 4858	(A,132,23)	RS1/16S560J RS1/16S100J	C 4009	(A,40,37)	CKSSYF104Z16	
R 4859	(A,128,30)	K31/1031003	C 4010	(A,39,38)	CKSSYF104Z16	
R 4861	(A,140,44)	RS1/16S104J	C 4011	(A,41,41)	CKSSYF104Z16	
R 4862	(A,136,42)	RS1/16S102J	C 4012	(A,40,43)	CKSSYF104Z16	D
R 4863	(A,140,47)	RS1/16S1102F	C 4013	(A,42,45)	CKSRYB392K50	Ь
R 4864	(A,138,41)	RS1/16S2001F	C 4015	(A,47,44)	CKSRYB105K6R3	
R 4865	(A,148,40)	RS1/16S3302F	C 4016	(A,40,47)	CKSSYF104Z16	
	(, -, -,		C 4010	(A,40,47)	CN3311 104210	
R 4866	(A,146,41)	RS1/16S2401F	C 4017	(A,41,48)	CKSSYF104Z16	
R 4867	(A,147,44)	RS1/16S5602F	C 4018	(A,44,47)	CKSRYB104K16	_
R 4868	(A,149,42)	RS1/16S2703F	C 4019	(A,44,49)	CKSRYB104K16	
R 4869	(A,148,44)	RS1/16S5602F	C 4020	(A,44,52)	CKSRYB104K16	
R 4901	(A,95,25)	RS1/16S103J	C 4021	(A,40,51)	CKSSYF104Z16	
_				· · · /	-	
R 4902	(A,91,14)	RS1/16S103J	C 4022	(A,46,55)	CKSSYF104Z16	
R 4903	(A,87,20)	RS1/16S392J	C 4023	(A,45,55)	CKSSYF104Z16	
R 4904	(A,89,20)	RS1/16S912J	C 4024	(A,44,55)	CKSSYF104Z16	E
R 4905	(A,87,17)	RS1/16S2003F	C 4025	(A,41,52)	CKSSYF104Z16	
R 4906	(A,93,17)	RS1/16S153J	C 4026	(A,41,53)	CKSSYF104Z16	
D 4007	(A 90 17)	DC1/4604F0 I	_	/A 44 = 0	01/06: :=:=	
R 4907	(A,89,17)	RS1/16S153J RAB4CQ181J	C 4027	(A,41,54)	CKSSYF104Z16	
R 5001 R 5002	(A,14,25) (EW)	RAB4CQ151J	C 4028	(A,41,55)	CKSSYF104Z16	
	(A,17,35)		C 4029	(A,41,56)	CKSSYF104Z16	
R 5003 R 5004	(B,15,33) (A,17,9)	RS1/16S103J RAB4CQ151J	C 4030	(A,44,57)	CKSRYB104K16	
13004	(A, 17,3)	1/104041911	C 4031	(A,43,55)	CKSSYF104Z16	
R 5005	(B,14,32)	RS1/16S104J	C 4032	(A,41,57)	CKSSYF104Z16	
R 5006	(B,5,33)	RS1/16S102J	C 4033	(A,41,58)	CKSSYF104Z16	
R 5007	(B,11,37)	RS1/16S473J	C 4034	(A,41,59)	CKSSYF104Z16	
R 5008	(B,7,32)	RS1/16S473J	C 4034 C 4035		CKSRYB103K50	F
R 5009	(B,12,40)	RS1/16S105J	C 4035 C 4036	(A,43,63)	CCSRCH4R0C50	Г
5550	\=1:=1:=/		C 4036	(A,44,58)	UCUNAPITUMO00	
R 5010	(B,8,38)	RS1/16S333J	C 4037	(A,39,61)	CKSSYF104Z16	
R 5011	(B,4,44)	RS1/16S513J	2 .001	\ i==i=*/		
			AVIC-N2/XU/UC			181
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	Cir	cuit Symbol	and No	Part No.		Cir	cuit Symbol ar	nd No	Part No.
		-	and No.			· · · · · · · · · · · · · · · · · · ·		<u>ıu 140.</u>	
	C 4040 C 4042	(A,39,62) (A,37,63)		CKSSYF104Z16 CCSRCH181J50		C 4182 C 4183	(A,49,19) (A,52,17)		CKSRYF104Z25 CSZSR4R7M25
	C 4042 C 4045	(A,36,65)		CCSRCH181350 CCSRCH9R0D50		C 4183	(A,49,17)		CKSRYF104Z25
Α	C 4046	(A,34,65)		CCSRCH9R0D50		C 4186	(A,49,22)		CKSRYF104Z25
	0 1010	(, 1,0 1,00)		CCCRCTICTODGC		0 1100	(71, 10,22)		ONORTH TO ILLO
	C 4047	(A,31,63)		CKSSYF104Z16		C 4188	(A,47,17)		CKSRYF104Z25
	C 4048	(A,30,62)		CKSSYF104Z16		C 4225	(A,103,25)		CKSRYF104Z25
	C 4049	(A,25,62)		CKSSYF104Z16		C 4311	(A,11,30)		CKSRYB224K16
	C 4050	(A,20,63)		CKSRYB105K6R3		C 4312	(A,9,28)		CKSRYB104K16
-	C 4051	(A,16,54)		CKSSYF104Z16		C 4313	(A,7,28)		CKSRYB104K16
	C 4050	(A 46 46)		CKSSYF104Z16		C 4314	(A C 2E)		CKCDVD404K46
	C 4052 C 4054	(A,16,46) (A,23,34)		CCSRCH101J50		C 4314 C 4315	(A,6,35) (A,6,31)		CKSRYB104K16 CKSRYB104K16
	C 4055	(A,16,65)		CKSRYF104Z25		C 4313	(A,11,123)		CKSRYB104K16
	C 4061	(A,53,80)		CKSRYF104Z25		C 4322	(A,10,45)		CKSRYB104K16
В	C 4062	(A,63,81)		CCSRCH390J50		C 4375	(A,11,156)		CKSRYB104K16
	C 4071	(A,47,70)		CSZS100M10		C 4376	(A,10,144)		CKSRYB104K16
	C 4074	(A,43,41)		CKSRYB105K6R3		C 4377	(A,9,25)		CKSRYB104K16
	C 4075	(A,49,72)		CKSRYB105K6R3		C 4378	(A,11,13)		CKSRYB104K16
	C 4101	(A,63,64)		CKSYF106Z10		C 4601	(A,77,14)		CSZSR330M10
	C 4102	(A,53,63)		CCSRCH470J50		C 4602	(A,79,20)		CKSRYF104Z25
_	C 4103	(A,51,63)		CCSRCH470J50		C 4603	(A,65,10)		CKSRYF104Z25
	C 4104	(A,56,66)		CKSRYF104Z25		C 4605	(A,74,20)		CKSRYF104Z25
	C 4105	(A,59,64)		CSZS100M10		C 4621	(A,68,12)		CKSRYB103K50
	C 4107	(A,65,64)		CKSYF106Z10		C 4631	(A,74,6) 10µF		CCG1138
	C 4111	(A,63,57)		CKSYF106Z10		C 4632	(A,78,6) 10µF		CCG1138
С		>				<u>.</u>			
	C 4112	(A,54,57)		CCSRCH470J50		C 4651	(A,61,21)		CKSRYF104Z25
	C 4113 C 4114	(A,51,57)		CCSRCH470J50		C 4670 C 4681	(A,144,83)		CKSSYF104Z16
	C 4114 C 4121	(A,60,59) (A,63,53)		CKSRYF104Z25 CKSYF106Z10		C 4681	(A,13,25) (A,13,23)		CKSRYB102K50 CKSRYB102K50
	C 4122	(A,54,51)		CCSRCH470J50		C 4683	(A,10,17)		CKSRYB102K50
	0	(, ,,,,,,,,,				0 1000	(,,		0.10.1.2.02.100
	C 4123	(A,51,51)		CCSRCH470J50		C 4684	(A,10,22)		CKSRYB102K50
	C 4124	(A,60,54)		CKSRYF104Z25		C 4685	(A,88,25)		CKSRYB102K50
	C 4131	(A,63,49)		CKSYF106Z10		C 4686	(A,87,23)		CKSRYB102K50
	C 4132	(A,54,46)		CCSRCH470J50		C 4687	(A,15,7)		CKSRYF104Z25
	C 4133	(A,51,46)		CCSRCH470J50		C 4701	(A,119,66)		CSZSR330M10
1	C 4134	(A,60,49)		CKSRYF104Z25		C 4702	(A,105,59)		CKSSYF104Z16
D	C 4140	(A,67,47)		CKSQYB225K10		C 4704	(A,135,78)		CKSRYF104Z25
	C 4141	(A,64,43)		CKSRYB105K6R3		C 4801	(A,21,26)		CSZSR4R7M25
	C 4142	(A,62,40)		CKSRYF104Z25		C 4802	(A,20,22)		CKSRYF104Z25
	C 4143	(A,63,59)		CSZS100M10		C 4803	(A,25,26)		CSZS100M10
		>					>		
	C 4144	(A,65,40)		CKSRYF104Z25		C 4804	(A,23,22)		CKSRYF104Z25
_	C 4145 C 4151	(A,68,40)		CKSRYF104Z25		C 4805	(A,29,25)		CSZSR330M10
	C 4151 C 4152	(A,59,32) (A,48,33)		CSZSR220M16 CKSRYB103K50		C 4806 C 4807	(A,26,22) (A,32,26)		CKSRYF104Z25 CSZSR33M35
	C 4153	(A,47,35)		CCSRCH4R0C50		C 4808	(A,32,23)		CKSRYF104Z25
		(-,,)					(',,)		
	C 4154	(A,47,31)		CCSRCH4R0C50		C 4809	(A,21,31)		CKSSYF104Z16
Е	C 4155	(A,54,38)		CCSRCH4R0C50		C 4810	(A,25,31)		CKSSYF104Z16
	C 4156	(A,58,37)		CKSRYF104Z25		C 4831	(A,28,31)		CKSSYF104Z16
	C 4160	(A,44,35)		CKSRYF104Z25		C 4832	(A,32,31)		CKSRYF104Z25
	C 4161	(A,44,32)		CKSRYF104Z25		C 4835	(A,102,41)		CKSRYF104Z25
	C 4162	(A,51,38)		CKSRYF104Z25		C 4836	(A,95,47)		CKSRYF104Z25
	C 4163	(A,57,28)		CKSRYB105K6R3		C 4841	(A,126,41)		CKSRYB105K6R3
	C 4164	(A,50,28)		CKSRYB105K6R3		C 4843	(A,126,49) 68µF	7/6.3V	CCH1440
	C 4165	(A,42,28)		CKSRYB105K6R3		C 4844	(A,126,52)		CKSRYF104Z25
	C 4166	(A,39,28)		CKSRYF104Z25		C 4851	(A,146,31)		CKSRYB104K16
		, ·		01/05/15:					0011111
	C 4167	(A,47,28)		CKSRYF104Z25		C 4852	(A,124,32) 68µF	/6.3V	CCH1440
_	C 4168	(A,55,29)		CKSRYF104Z25		C 4853	(A,122,31)	_	CKSRYB104K16
F	C 4169 C 4170	(A,35,31) (A,58,23)		CKSRYB103K50 CSZSR220M16		C 4855 C 4856	(A,134,30) 10μF (A,127,32)		CCG1138 CCSRCH102J50
	C 4170 C 4171	(A,56,23) (A,55,23)		CSZSR220M16		C 4857	(A,127,32) (A,135,25)		CCSRCH102J50 CCSRCH681J50
	J	(· ·,00,20)		3323. (220)		2 1001	(· .,)		222.101.1001000
	C 4181	(A,51,21)		CSZSR220M16		C 4858	(A,138,30) 10µF	:	CCG1138
	182			AVIC	C-N2/XU/	UC			
		1		2	-		3		4

Circ	uit Symbol and No.	Part No.	Circ	uit Symbol and No.	Part No.	
	•			•	rait No.	
C 4859	(A,134,19)	CKSRYB224K16	<u>Consists</u>	<u>of</u>		
C 4860	(A,131,40)	CKSYF106Z10	<u>Keyboard</u>	I PCB		
C 4861	(A,131,42)	CKSYF106Z10	Panel PC			Α
C 4862	(A,140,41)	CCSRCH100D50	<u> Pallel PCI</u>	<u>D</u>		
C 4863	(A,136,41)	CKSRYB683K16				
C 4864	(A,143,42)	CKSRYB104K16	BC			
	,			mber:CWM9952(AV	/IC-N2/YII/II	~)
C 4865	(A,141,41)	CKSRYB471K50		-		-
C 4866	(A,147,47)	CKSRYB224K16	Unit Nu	mber:CWM9951(AV	'IC-X1R/XU/E	(W)
C 4867	(A,144,53)	CKSRYB104K16		me:Keyboard Unit		_
C 4868	(A,143,53)	CKSRYB104K16		•		
C 4869	(A,139,54)	CKSRYB104K16	MISCELL	ANEOUS		
C 4870	(A,141,54)	CKSRYB224K16				
C 4871	(A,147,53)	CKSRYB224K16	IC 5501	(A,42,7) IC	SBX3050-01	
C 4872	(A,149,53)	CKSRYB104K16	D 5501		CL-195SR-CD	В
0 4072	(71, 140,00)	OKOKI BIOTKIO		(B,64,11) LED (EW)		Ь
C 4873	(A,141,65)	CKSQYB105K16	D 5504	(A,6,4) LED	CL-190UB2-X	
			D 5505	(A,6,18) LED	CL-190UB2-X	
C 4874	(A,139,64)	CKSQYB474K25	D 5509	(A,138,8) LED	CL-190UB2-X	
C 4875	(A,143,61)	CKSRYB104K16				
C 4876	(A,141,61)	CKSQYB474K25	D 5510	(A,29,8) LED	CL-190UB2-X	
C 4877	(A,138,60)	CKSQYB105K16	D 5512	(A,78,5) LED (EW)	CL-195SR-CD	_
			D 5513	(A,77,5) LED	CL-195PG-CD	
C 4878	(A,131,53)	CKSRYB104K16	D 5514	(A,90,5) LED (EW)	CL-195SR-CD	
C 4879	(A,134,54) 33µF/10V	CCH1586	D 5515	(A,53,5) LED	CL-195PG-CD	
C 4881	(A,136,65)	CKSRYF104Z25	2 3313	(. 1,00,0) 222	JE 1001 O OD	
C 4882	(A,128,53)	CKSRYF104Z25	D 5516	(A,100,5) LED	CL-195PG-CD	
C 4883	(A,146,67)	CKSRYF104Z25		,		
0 4000	(1,140,01)	ONOINTI 104225	D 5517	(A,102,5) LED (EW)	CL-195SR-CD	
0 4004	(4 407 50)	CI/CD\/D404I/4C	D 5518	(A,89,5) LED	CL-195PG-CD	С
C 4884	(A,137,53)	CKSRYB104K16	D 5519	(A,114,5) LED (EW)	CL-195SR-CD	
C 4885	(A,142,37) 68µF/6.3V	CCH1440	D 5520	(A,127,7) LED (EW)	CL-195SR-CD	
C 4886	(A,150,58)	CKSRYF104Z25				
C 4887	(A,147,58)	CKSRYF104Z25	D 5521	(A,113,5) LED	CL-195PG-CD	
C 4901	(A,92,15)	CKSRYF104Z25	D 5522	(A,125,7) LED	CL-195PG-CD	
			D 5524	(A,21,12) LED	CL-190UB2-X	
C 4902	(A,98,23)	CSZSR220M10	D 5526	(A,150,17) LED	CL-190UB2-X	
C 4903	(A,88,15)	CFHXSQ562J16	D 5527	(B,39,6) Diode	UDZS6R8(B)	
C 4904	(A,91,23)	CSZSR330M10	D 3321	(B,39,0) Diode	ODZSONO(D)	
C 4905	(A,90,16)	CKSRYB102K50	D 5500	(A 450 5) LED	OL 400LID0 V	
			D 5529	(A,150,5) LED	CL-190UB2-X	
C 5001	(B,15,8)	CKSRYB104K16	D 5530	(A,164,11) LED	CL-190UB2-X	
0 5000	(D.0.44)	01/00/00/00/00/00	D 5531	(A,67,5) LED	CL-195SR-CD	
C 5002	(B,8,11)	CKSRYB105K6R:	D 5534	(A,65,5) LED	CL-195PG-CD	D
C 5003	(A,10,37)	CSZSR330M10	D 5536	(B,145,11) Diode (EW)	DAN202U	
C 5004	(A,15,10)	CKSRYB104K16				
C 5005	(B,13,38)	CKSRYB104K16	D 5537	(A,89,14) LED	CL-190UB2-X	
C 5006	(B,8,39)	CKSRYB104K16	D 5538	(A,54,5) LED (EW)	CL-195SR-CD	
			D 5540	(A,79,14) LED	CL-190UB2-X	
C 5007	(B,15,43)	CKSRYB105K6R:		(B,99,10) Diode	1SS355	
C 5008	(B,16,45)	CKSQYB335K6R	D 0011	(B,67,10) Diode	UDZS20(B)	
C 5010	(A,15,16)	CKSRYB104K16	- D 5542	(D,07,10) DIOGE	0DZ0Z0(D)	
C 5010	(B,5,41)	CKSRYB332K50	D 5004	(4 64 4) 1 5 5	CML 040V/T	
C 5011			D 5901	(A,61,4) LED	SML-010VT	
0 3012	(B,10,41)	CKSRYB105K6R	0 0001	(A,118,4) Push Switch	CSG1111	
0.5040	(D. F. 20)	01/00/04 501/50	S 5502	(A,94,4) Push Switch	CSG1111	
C 5013	(B,5,39)	CKSRYB152K50	S 5503	(A,105,4) Push Switch	CSG1111	
C 5014	(B,6,12)	CKSRYB104K16	S 5504	(A,29,4) Push Switch	CSG1111	E
C 5015	(A,9,52)	CKSRYB473K50				
C 5016	(B,14,41)	CKSRYB103K50	S 5505	(A,58,4) Push Switch	CSG1111	
C 5017	(A,15,48)	CFHXSQ221J50	S 5506	(A,138,4) Push Switch	CSG1111	
			S 5507	(A,126,4) Push Switch	CSG1111	
C 5018	(A,14,51)	CKSRYB473K50	S 5508	(A,70,4) Push Switch	CSG1111	
C 5019	(B,13,55) 10µF	CCG1138	S 5509	(A,82,4) Push Switch	CSG1111	
C 5020	(B,9,57) 10µF	CCG1138	3 5509	(M,UZ,7) FUSIT SWILLIT	0001111	
C 5020	(A,15,59)	CKSQYB105K16	S 5540	(A 11 11) Encode (A 11 11)	\CCD1406	
			S 5510	(A,11,11) Encoder(VOLUME	,	
C 5022	(A,13,59)	CKSQYB105K16	S 5511	(A,156,11) Switch(SELECT)		
0	(4.40.400) 55.5	000:5::	S 5901	(A,104,21) Push Switch	CSG1111	
C 5023	(A,10,100) 22pF	CCG1214				
C 5024	(B,18,72)	CKSRYB223K50	RESISTO	RS		
C 5101	(B,8,62)	CKSRYB104K16				F
C 5102	(B,6,61)	CKSRYB104K16	R 5501	(B,97,6)	RS1/16SS121J	
			R 5502	(A,147,11)	RS1/16S202J	
Keyboard	l Unit			,		
<u> </u>	· • · · · ·		R 5503	(A,101,8)	RS1/16S392J	
		ı	AVIC NOVILLI			100
			AVIC-N2/XU/UC	_		183

a 6 **b** 7 **a** 8

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	Circ	cuit Symbol and No.	Part No.	Circ	cuit Symbol and No.	Part No.
	R 5504	(A,96,6)	RS1/16S123J	R 5598	(B,66,14)	RS1/16S121J
	R 5505	(A,60,6)	RS1/16S122J	R 5599	(B,61,10)	RS1/16SS121J
Α	R 5506	(A,25,4)	RS1/16S202J	R 5904	(A,61,7)	RS1/16S151J
	R 5507	(A,134,3)	RS1/16S122J			
	R 5508	(B,22,14)	RS1/16S151J	<u>CAPACI1</u>	<u>rors</u>	
	R 5509	(B,24,14)	RS1/16S151J			
	R 5510	(B,93,11) (EW)	RS1/16SS181J	C 5509	(B,36,3)	CSZSQ100M6R3
	··	(5.00.44)	201/10001011	C 5516	(B,36,5)	CKSRYB103K50
_	R 5511	(B,60,11)	RS1/16SS121J	C 5520	(A,42,3)	CKSYB106K6R3
	R 5512	(B,59,10)	RS1/16SS121J			
	R 5513 R 5514	(A,144,3) (A,144,4)	RS1/16S202J RS1/16S392J	P		
	R 5514	(A,156,19)	RS1/16S123J			//O NO//////O
	1 3313	(A, 130, 19)	1001/1001200		ımber:CWX2960(A	-
В	R 5516	(A,132,3)	RS1/16S102J	Unit Nu	ımber:CWX2929(A	VIC-X1R/XU/EW)
Ь	R 5517	(A,67,8)	RS1/16S151J		me:GPS Unit	,
	R 5518	(B,62,15)	RS1/16S820J	Offic Na	ine.or o onit	
	R 5519	(B,57,10)	RS1/16SS121J	MICCELI	ANEOUS	
	R 5520	(B,146,2)	RS1/16S151J	MISCELL	<u> ANEOUS</u>	
		,		10.404	10	LID00740T
_	R 5521	(B,144,3)	RS1/16S151J	IC 401	IC	UPC2749T
	R 5522	(B,98,6)	RS1/16SS121J	IC 402	IC	UPB1027GS
	R 5524	(B,145,7)	RS1/16SS121J	IC 441 IC 461	IC IC	NJM2100V
	R 5525	(B,51,10)	RS1/16SS472J	IC 501	IC	ADC12H034CIMSA PD3390A
	R 5526	(B,97,11) (EW)	RS1/16SS0R0J	10 301	ic	1 000000
		(= · · · · · (= · · · ·		IC 502	IC (EW)	PD6472A
	R 5527	(B,95,11) (EW)	RS1/16SS181J	10 002	IC (UC)	PD6473A
С	R 5528	(B,94,11) (EW)	RS1/16SS181J	IC 503	IC	M5M5V216ATP-70HI
	R 5529	(B,92,5)	RS1/16SS181J	IC 504	IC	MAX6364PUT29
	R 5530	(B,95,6)	RS1/16SS121J	IC 532	IC (EW)	LC72720YVS
	R 5531	(B,30,14)	RS1/16S151J		, ,	
	R 5532	(B,96,6)	RS1/16SS121J	Q 441	Transistor	2SB1132
	R 5533	(A,133,5) (EW)	RS1/16S181J	D 401	Diode	1SV314
	R 5534	(B,144,7)	RS1/16SS121J	D 501	Diode	RB751V40
	R 5535	(B,48,4)	RS1/16S470J	L 401	Inductor	CTF1549
	R 5536	(B,146,7)	RS1/16SS121J	L 402	Inductor	CTF1486
		() -, ,				0777
	R 5537	(A,133,3) (EW)	RS1/16S181J	L 403	Inductor	CTF1486
	R 5538	(B,147,7)	RS1/16SS121J	L 404	Inductor	LCSA3N3R1608
D	R 5539	(A,136,10) (EW)	RS1/16S181J	L 405	Inductor	LCYB22NJ1608
	R 5540	(B,94,6)	RS1/16SS121J	L 406 L 407	Inductor Inductor	LCYB22NJ1608 CTF1410
	R 5541	(B,146,8)	RS1/16SS121J	L 407	inductor	C1F1410
	_			L 408	Inductor (EW)	CTF1410
	R 5542	(A,138,12) (EW)	RS1/16S181J	L 400	Inductor (UC)	CTF1556
	R 5543	(B,55,10)	RS1/16SS121J	L 409	Inductor	LCTB1R0K2125
	R 5548	(A,129,6) (EW)	RS1/16S0R0J	L 410	Inductor	CTF1547
	R 5549	(A,148,11)	RS1/16S122J	L 412	Inductor	CTF1547
	R 5550	(B,22,10)	RS1/16S392J			
	R 5558	(B,64,5)	RS1/16S121J	L 413	Inductor	CTF1547
	R 5561	(B,65,5)	RS1/16S121J	L 414	Inductor	CTF1547
	R 5563	(B,44,7)	RS1/16S101J	L 415	Inductor	CTF1547
Е	R 5565	(B,67,5)	RS1/16S121J	L 416	Inductor	CTF1547
_	R 5566	(A,161,4)	RS1/16SS151J	L 417	Inductor	CTF1547
		<i>(' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '</i>				0777
	R 5568	(A,160,4)	RS1/16SS151J	L 418	Inductor	CTF1410
	R 5573	(B,68,5)	RS1/16S151J	L 441	Inductor	CTF1410
	R 5574	(B,96,11) (EW)	RS1/16SS181J	L 442	Inductor	CTF1410 CTF1410
	R 5575	(B,27,14)	RS1/16S151J	L 461 L 462	Inductor Inductor	CTF1410
	R 5585	(A,72,6)	RS1/16S181J	L 402	inductor	C11-1410
	-	(5.05.45)	D0.//	L 467	Inductor	CTF1547
	R 5587	(B,25,12)	RS1/16S151J	L 468	Inductor	CTF1547
	R 5588	(B,28,12)	RS1/16S151J	L 469	Inductor	CTF1410
	R 5589	(B,146,4)	RS1/16S151J	L 501	Inductor	CTF1410
_	R 5590	(A,159,5)	RS1/16SS151J	L 502	Inductor	CTF1410
F	R 5592	(B,62,13) (UC)	RS1/16S150J			
	R 5593	(A,140,12) (UC)	RS1/16S270J	L 503	Inductor	CTF1410
	R 5596	(B,68,13)	RS1/16SS121J	L 504	Inductor	CTF1410
	R 5597	(B,65,14)	RS1/16S820J	L 531	Inductor	CTF1410
	184	v 1==1 /		N2/XU/UC		
	10-	1 =	2	112/7/0/00	3	4
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Circ	cuit Symbol and No.	Part No.	Circ	cuit Symbol and No.	Part No.	
X 401	TCXO 16.368MHz	CWX2381	R 532	(EW)	RS1/16SS104J	
X 501	Radiator 32.768kHz	CSS1319	R 533	(EW)	RS1/16SS332J	
				(UC)	RS1/16SS103J	Α
X 502	Radiator 20.00MHz	CSS1549				
X 532	Radiator 4.332MHz (EW)	CSS1550	R 534		RS1/16SS103J	
F 401	Filter	CTF1548	R 535		RS1/16SS103J	
			R 536		RS1/16SS0R0J	
RESISTO)RS		R 537	(EW)	RS1/16S0R0J	
11201010	<u> </u>		R 538	(EW)	RS1/16SS0R0J	
R 401		RS1/16SS472J		,		
R 402		RS1/16SS472J	CAPACIT	ORS		
R 402		RS1/16SS122J	<u> </u>	<u> </u>		
R 403		RS1/16SS622J	C 401		CCSRCH100D50	
R 404		RS1/16SS100J	C 401		CCSSCH101J50	
K 403		K31/10331003				
D 400		D04/400074 I	C 403		CKSSYB104K10	_
R 406		RS1/16S271J	C 404		CCSSCH101J50	В
R 407		RS1/16S2R2J	C 405		CCSRUJ220J50	
R 441		RN1/16SC10R0D	_			
R 442		RN1/16SE1501D	C 406		CCSRUJ220J50	
R 443		RN1/16SE2402D	C 407		CKSSYB333K16	
			C 408		CKSSYB182K50	
R 444		RN1/16SE3302D	C 409		CSZS100M6R3	_
R 445		RN1/16SE4702D	C 410		CKSSYB103K16	
R 446		RN1/16SE4702D				
R 447		RS1/16S432J	C 411		CKSSYB102K50	
R 448		RN1/16SE1002D	C 412		CKSSYB102K50	
			C 413		CKSSYB104K10	
R 449		RN1/16SE2202D	C 414		CKSSYB104K10	
R 450		RN1/16SE3302D	C 415		CKSSYB104K10	С
			C 413		CR3311104R10	C
R 451		RS1/16S103J	6. 446		CICCOVDAGAICAG	
R 452		RS1/16SS102J	C 416		CKSSYB104K10	
R 454		RS1/16SS102J	C 417		CKSSYB104K10	
			C 418		CKSSYB102K50	
R 460		RS1/16S0R0J	C 419		CKSSYB104K10	
R 461		RS1/16SS102J	C 420		CKSSYB104K10	•
R 462		RS1/16SS102J				_
R 463		RAB4CQ102J	C 421		CKSSYB102K50	
R 464		RAB4CQ333J	C 422		CKSSYB103K16	
			C 423		CKSSYB104K10	
R 465		RS1/16SS102J	C 424		CCSRCH102J50	
R 468	(EW)	RS1/16SS471J	C 425		CCSRCH271J50	
R 469	(EW)	RAB4CQ471J				D
R 470	(=)	RAB4CQ471J	C 426		CCSRCH102J50	
R 471		RAB4CQ104J	C 427		CKSSYB104K10	
		10.001000	C 428		CKSSYB103K16	
R 477		RS1/16SS222J	C 429		CCSRCH301J50	
R 477		RS1/16SS222J	C 429		CCSSCH120J50	
			C 430		0033011120030	
R 479		RS1/16SS222J	0. 424		CCCDCI 1204 IEO	
R 480		RS1/16SS332J	C 431		CCSRCH301J50	
R 481		RS1/16SS332J	C 432		CKSSYB103K16	
			C 433		CCSRCH101J50	
R 482		RS1/16SS223J	C 434		CKSSYB102K50	
R 483		RS1/16SS473J	C 435		CKSSYB103K16	
R 501		RS1/16SS0R0J				
R 502		RS1/16SS102J	C 436		CKSSYB104K10	E
R 503		RS1/16SS154J	C 441		CKSRYB104K16	
			C 442		CCSRCH101J50	
R 508	(EW)	RS1/16SS472J	C 443		CKSRYB104K16	
	(UC)	RS1/16SS103J	C 444		CKSSYB103K16	
R 509	` ,	RS1/16SS473J				
R 510		RS1/16SS102J	C 445		CKSSYB104K10	-
R 511		RS1/16SS103J	C 461	22μF/6.3V	CCH1408	
011		1.0 1, 1000 1000	C 462	p: /0.0 v	CKSRYB104K16	
R 512		RS1/16SS473J	C 462 C 463		CKSRYB104K16	
R 513		RS1/16SS103J	C 464		CKSSYB103K16	
R 514		RS1/16SS473J	~ :==		01/00/15 / 5 - 1 : 1	
R 515		RS1/16SS473J	C 465		CKSSYB103K16	
R 517		RS1/16SS103J	C 466		CKSSYB103K16	F
			C 467		CKSSYB103K16	
R 519		RS1/16SS473J	C 468		CKSSYB104K10	
R 521		RS1/16SS473J	C 469		CSZS100M10	
			AVIC-N2/XU/UC			185
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	Circ	cuit Symbol and No.	Part No.		Circ	cuit Symbol and No.	Part No.
				D	1101	Diode	1SS355
	C 470		CKSSYB104K10	D	1102	Diode	1SS355
Α	C 471		CCSSCH101J50				
А	C 501		CKSSYB104K10	D	1301	Diode	UDZ2R7(B)
	C 502		CCSRCH150J50		1302	Chip LED	CL205IRXTU
							CTF1409
	C 503		CCSRCH150J50		1301	Inductor	
					1302	Inductor	CTF1394
	C 504		CKSSYB104K10	L	1303	Inductor	CTF1395
	C 506		CKSSYB104K10				
	C 507		CKSSYB104K10	L	1305	Inductor	CTF1409
	C 508		CKSSYB104K10	- 1	1504	Inductor	CTF1394
	C 509		CKSSYB104K10		1505	Inductor	CTF1409
	C 309		CK331B104K10				
	_				1506	Inductor	CTF1473
	C 511		CKSSYB104K10	L	1507	Inductor	CTF1473
	C 512		CKSSYB104K10				
В	C 514		CSZS100M6R3	L	1508	Inductor	CTF1473
	C 515		CKSSYB104K10	L	1509	Inductor	CTF1399
	C 516		CKSSYB104K10		1510	Inductor	CTF1409
	0 0.0		5.155.12.15.11.15		1518	Inductor	CTF1385
	C 517		CKCCVB404K40				
	C 517		CKSSYB104K10	L	1520	Inductor	CTF1399
	C 518		CKSSYB104K10				
_	C 535	(EW)	CSZS100M6R3	L	1522	Inductor	CTF1395
	C 539	(EW)	CCSRCH100D50	L	1605	Inductor	CTF1379
	C 540	(EW)	CCSRCH100D50	L	1701	Inductor	CTF1395
	= =	,	-		1702	Inductor	CTF1409
	C 541	(EW)	CCSRCH561J50		1702	Inductor	CTF1473
		` ,		L	1703	HUUGO	O1F 1473
	C 542	(EW)	CKSSYB104K10		4 7 6 :		OTE 4 470
	C 543	(EW)	CSZS100M6R3		1704	Inductor	CTF1473
С	C 544	(EW)	CCSRCH331J50		1501	Radiator 27MHz	CSS1609
	C 545	(EW)	CKSSYB104K10	Χ	1701	Ceramic Resonator 4.97MHz	CSS1575
		, ,		VR	1502	Semi-Fixed 2.2k Ω (B)	CCP1444
	D					(-)	
		mber:CWX2941		RE	SISTO	<u>DRS</u>	
				_	4404		D04/40004044
	Unit Nar	me:DVD Core Unit	:(MS3)		1101		RS1/16SS101J
_			` ,	R	1102		RS1/16SS3R9J
	MICCELL	ANEOUS		R	1103		RS1/16SS3R9J
	MISCELL	ANEOUS		R	1104		RS1/16SS3R9J
				R	1105		RS1/16SS3R9J
	IC 1101	IC	AN8703FH				
	IC 1201	IC	BA5985FM	D	1106		RS1/16SS330J
Ь	IC 1202	IC	AN8471SAT1				
D	IC 1301	IC	MNZS26EDCUB		1107		RS1/16SS3R9J
	IC 1301	IC	TC74LCX245FT		1108		RS1/16SS3R9J
	10 1401	15.7	I O / HLOAZHOF I	R	1109		RS1/16SS3R9J
		.0					RS1/16SS3R9J
	10 4400		TO701104511	R	1110		1101/100031130
	IC 1402	IC	TC7SH04FU	R	1110		101/10003100
	IC 1403	IC IC	TC74LCX244FT		1110 1111		RS1/16SS272J
_		IC		R	1111		RS1/16SS272J
•	IC 1403	IC IC	TC74LCX244FT	R R	1111 1112		RS1/16SS272J RS1/16SS472J
	IC 1403 IC 1405	IC IC IC	TC74LCX244FT TC74LCX244FT	R R R	1111 1112 1113		RS1/16SS272J RS1/16SS472J RS1/16SS102J
•	IC 1403 IC 1405 IC 1501	IC IC IC	TC74LCX244FT TC74LCX244FT K4S641632H-TC75	R R R	1111 1112 1113 1124		RS1/16SS272J RS1/16SS472J RS1/16SS102J RS1/16SS273J
	IC 1403 IC 1405 IC 1501 IC 1502	IC IC IC IC	TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT	R R R	1111 1112 1113		RS1/16SS272J RS1/16SS472J RS1/16SS102J
•	IC 1403 IC 1405 IC 1501 IC 1502	IC IC IC IC IC	TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB	R R R R	1111 1112 1113 1124 1125		RS1/16SS272J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J
•	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504	IC IC IC IC IC	TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT	R R R R	1111 1112 1113 1124		RS1/16SS272J RS1/16SS472J RS1/16SS102J RS1/16SS273J
•	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504 IC 1505	IC IC IC IC IC IC	TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT TC7PA04FU	R R R R R	1111 1112 1113 1124 1125		RS1/16SS272J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J
	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504	IC IC IC IC IC IC IC IC	TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT	R R R R R	1111 1112 1113 1124 1125 1126 1130		RS1/16SS272J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J RS1/16SS224J RS1/16SS0R0J
■ E	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504 IC 1505	IC IC IC IC IC IC	TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT TC7PA04FU	R R R R R R R	1111 1112 1113 1124 1125 1126 1130 1131		RS1/16SS272J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J RS1/16SS224J RS1/16SS0R0J RS1/16SS0R0J
	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504 IC 1505 IC 1507	IC IC IC IC IC IC IC IC	TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT TC7PA04FU SM8707FV	R R R R R R R R R	1111 1112 1113 1124 1125 1126 1130 1131 1132		RS1/16SS272J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J RS1/16SS224J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J
	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504 IC 1505 IC 1507 IC 1602		TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT TC7PA04FU SM8707FV NJM2100M	R R R R R R R R R	1111 1112 1113 1124 1125 1126 1130 1131		RS1/16SS272J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J RS1/16SS224J RS1/16SS0R0J RS1/16SS0R0J
	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504 IC 1505 IC 1507 IC 1602 IC 1604		TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT TC7PA04FU SM8707FV NJM2100M NJM2100V	R R R R R R R R R	1111 1112 1113 1124 1125 1126 1130 1131 1132 1133		RS1/16SS272J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J RS1/16SS224J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J
	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504 IC 1505 IC 1507 IC 1602 IC 1604 IC 1605		TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT TC7PA04FU SM8707FV NJM2100M NJM2100V PCM1742KE	R R R R R R R R R	1111 1112 1113 1124 1125 1126 1130 1131 1132 1133		RS1/16SS272J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J RS1/16SS224J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J RS1/16S2402D
	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504 IC 1505 IC 1507 IC 1602 IC 1604 IC 1605 IC 1701		TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT TC7PA04FU SM8707FV NJM2100M NJM2100V PCM1742KE PE5395B	R R R R R R R R R	1111 1112 1113 1124 1125 1126 1130 1131 1132 1133		RS1/16SS272J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J RS1/16SS224J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J
Е	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504 IC 1505 IC 1507 IC 1602 IC 1604 IC 1605 IC 1701 IC 1702		TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT TC7PA04FU SM8707FV NJM2100M NJM2100V PCM1742KE PE5395B M5M5V216ATP-70HI	R R R R R R R R R	1111 1112 1113 1124 1125 1126 1130 1131 1132 1133		RS1/16SS272J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J RS1/16SS224J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J RS1/16S2402D
	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504 IC 1505 IC 1507 IC 1602 IC 1604 IC 1605 IC 1701		TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT TC7PA04FU SM8707FV NJM2100M NJM2100V PCM1742KE PE5395B	R R R R R R R R R R R R R R R R R R R	1111 1112 1113 1124 1125 1126 1130 1131 1132 1133 1134 1135		RS1/16SS272J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J RS1/16SS224J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J RS1/16S2402D RS1/16S1002D RS1/16S2702D
Е	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504 IC 1505 IC 1507 IC 1602 IC 1604 IC 1605 IC 1701 IC 1702		TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT TC7PA04FU SM8707FV NJM2100M NJM2100V PCM1742KE PE5395B M5M5V216ATP-70HI	R R R R R R R R R R R R R R R R R R R	1111 1112 1113 1124 1125 1126 1130 1131 1132 1133 1134 1135 1140 1141		RS1/16SS272J RS1/16SS472J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J RS1/16SS224J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J RS1/16S2402D RS1/16S2402D RS1/16S2702D RS1/16SS105J RS1/16SS105J
Е	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504 IC 1505 IC 1507 IC 1602 IC 1604 IC 1605 IC 1701 IC 1702		TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT TC7PA04FU SM8707FV NJM2100M NJM2100V PCM1742KE PE5395B M5M5V216ATP-70HI	R R R R R R R R R R R R R R R R R R R	1111 1112 1113 1124 1125 1126 1130 1131 1132 1133 1134 1135 1140		RS1/16SS272J RS1/16SS472J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J RS1/16SS224J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J RS1/16S2402D RS1/16S2702D RS1/16S2702D RS1/16SS105J
Е	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504 IC 1505 IC 1507 IC 1602 IC 1604 IC 1605 IC 1701 IC 1702 IC 1705 IC 1706		TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT TC7PA04FU SM8707FV NJM2100M NJM2100V PCM1742KE PE5395B M5M5V216ATP-70HI PD6474B TC7SH08FU	R R R R R R R R R R R R R	1111 1112 1113 1124 1125 1126 1130 1131 1132 1133 1134 1135 1140 1141 1142		RS1/16SS272J RS1/16SS472J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J RS1/16SS224J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J RS1/16S2402D RS1/16S2402D RS1/16S2702D RS1/16SS105J RS1/16SS105J RS1/16SS105J
Е	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504 IC 1505 IC 1507 IC 1602 IC 1604 IC 1605 IC 1701 IC 1702 IC 1705 IC 1706 Q 1101	IC I	TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT TC7PA04FU SM8707FV NJM2100M NJM2100V PCM1742KE PE5395B M5M5V216ATP-70HI PD6474B TC7SH08FU 2SB1260	R R R R R R R R R R R R R	1111 1112 1113 1124 1125 1126 1130 1131 1132 1133 1134 1135 1140 1141 1142		RS1/16SS272J RS1/16SS472J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J RS1/16SS224J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J RS1/16S2402D RS1/16S2402D RS1/16S2702D RS1/16SS105J RS1/16SS105J RS1/16SS105J RS1/16SS105J
Е	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504 IC 1505 IC 1507 IC 1602 IC 1604 IC 1605 IC 1701 IC 1702 IC 1705 IC 1706 Q 1101 Q 1102	IC I	TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT TC7PA04FU SM8707FV NJM2100M NJM2100V PCM1742KE PE5395B M5M5V216ATP-70HI PD6474B TC7SH08FU 2SB1260 2SB1260		1111 1112 1113 1124 1125 1126 1130 1131 1132 1133 1134 1135 1140 1141 1142		RS1/16SS272J RS1/16SS472J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J RS1/16SS224J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J RS1/16S2402D RS1/16S2402D RS1/16S2702D RS1/16SS105J RS1/16SS105J RS1/16SS105J RS1/16SS103J RS1/16SS103J
E	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504 IC 1505 IC 1507 IC 1602 IC 1604 IC 1605 IC 1701 IC 1702 IC 1705 IC 1706 Q 1101 Q 1102 Q 1103	IC I	TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT TC7PA04FU SM8707FV NJM2100M NJM2100V PCM1742KE PE5395B M5M5V216ATP-70HI PD6474B TC7SH08FU 2SB1260 2SB1260 UN2211		1111 1112 1113 1124 1125 1126 1130 1131 1132 1133 1134 1135 1140 1141 1142		RS1/16SS272J RS1/16SS472J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J RS1/16SS224J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J RS1/16S2402D RS1/16S2402D RS1/16S2702D RS1/16SS105J RS1/16SS105J RS1/16SS105J RS1/16SS105J
Е	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504 IC 1505 IC 1507 IC 1602 IC 1604 IC 1605 IC 1701 IC 1702 IC 1705 IC 1706 Q 1101 Q 1102	IC I	TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT TC7PA04FU SM8707FV NJM2100M NJM2100V PCM1742KE PE5395B M5M5V216ATP-70HI PD6474B TC7SH08FU 2SB1260 2SB1260		1111 1112 1113 1124 1125 1126 1130 1131 1132 1133 1134 1135 1140 1141 1142		RS1/16SS272J RS1/16SS472J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J RS1/16SS224J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J RS1/16S2402D RS1/16S2402D RS1/16S2702D RS1/16SS105J RS1/16SS105J RS1/16SS105J RS1/16SS103J RS1/16SS103J
E	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504 IC 1505 IC 1507 IC 1602 IC 1604 IC 1605 IC 1701 IC 1702 IC 1706 Q 1101 Q 1102 Q 1103 Q 1104	IC I	TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT TC7PA04FU SM8707FV NJM2100M NJM2100V PCM1742KE PE5395B M5M5V216ATP-70HI PD6474B TC7SH08FU 2SB1260 2SB1260 UN2211		1111 1112 1113 1124 1125 1126 1130 1131 1132 1133 1134 1135 1140 1141 1142 1151 1152 1201 1202		RS1/16SS272J RS1/16SS472J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J RS1/16SS224J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J RS1/16S2402D RS1/16S2402D RS1/16S2702D RS1/16SS105J RS1/16SS105J RS1/16SS105J RS1/16SS103J RS1/16SS103J RS1/16SS103J RS1/16SS221J RS1/16SS293J
E	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504 IC 1505 IC 1507 IC 1602 IC 1604 IC 1605 IC 1701 IC 1702 IC 1705 IC 1706 Q 1101 Q 1102 Q 1103	IC I	TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT TC7PA04FU SM8707FV NJM2100M NJM2100V PCM1742KE PE5395B M5M5V216ATP-70HI PD6474B TC7SH08FU 2SB1260 2SB1260 UN2211		1111 1112 1113 1124 1125 1126 1130 1131 1132 1133 1134 1135 1140 1141 1142 1151 1152 1201		RS1/16SS272J RS1/16SS472J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J RS1/16SS224J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J RS1/16S2402D RS1/16S2402D RS1/16SS105J RS1/16SS105J RS1/16SS105J RS1/16SS105J RS1/16SS103J RS1/16SS103J RS1/16SS103J RS1/16SS221J
E	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504 IC 1505 IC 1507 IC 1602 IC 1604 IC 1605 IC 1701 IC 1702 IC 1706 Q 1101 Q 1102 Q 1103 Q 1104 Q 1105	IC I	TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT TC7PA04FU SM8707FV NJM2100M NJM2100V PCM1742KE PE5395B M5M5V216ATP-70HI PD6474B TC7SH08FU 2SB1260 2SB1260 UN2211 2SB709A		1111 1112 1113 1124 1125 1126 1130 1131 1132 1133 1134 1135 1140 1141 1142 1151 1152 1201 1202 1203		RS1/16SS272J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J RS1/16SS224J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J RS1/16S2402D RS1/16S2402D RS1/16S2702D RS1/16SS105J RS1/16SS105J RS1/16SS105J RS1/16SS103J RS1/16SS103J RS1/16SS221J RS1/16SS393J RS1/16SS393J RS1/16SS303J
E	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504 IC 1505 IC 1507 IC 1602 IC 1604 IC 1605 IC 1701 IC 1702 IC 1706 Q 1101 Q 1102 Q 1103 Q 1104 Q 1105 Q 1201	IC I	TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT TC7PA04FU SM8707FV NJM2100M NJM2100V PCM1742KE PE5395B M5M5V216ATP-70HI PD6474B TC7SH08FU 2SB1260 2SB1260 UN2211 2SB709A 2SD601A DTC124EU		1111 1112 1113 1124 1125 1126 1130 1131 1132 1133 1134 1135 1140 1141 1142 1151 1152 1201 1202		RS1/16SS272J RS1/16SS472J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J RS1/16SS224J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J RS1/16S2402D RS1/16S2402D RS1/16S2702D RS1/16SS105J RS1/16SS105J RS1/16SS105J RS1/16SS103J RS1/16SS103J RS1/16SS103J RS1/16SS221J RS1/16SS293J
E	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504 IC 1505 IC 1507 IC 1602 IC 1604 IC 1605 IC 1701 IC 1702 IC 1706 Q 1101 Q 1102 Q 1103 Q 1104 Q 1105 Q 1201 Q 1501	IC I	TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT TC7PA04FU SM8707FV NJM2100M NJM2100V PCM1742KE PE5395B M5M5V216ATP-70HI PD6474B TC7SH08FU 2SB1260 2SB1260 UN2211 2SB709A 2SD601A DTC124EU 2SA1037K		1111 1112 1113 1124 1125 1126 1130 1131 1132 1133 1134 1135 1140 1141 1142 1151 1152 1201 1202 1203		RS1/16SS272J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J RS1/16SS224J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J RS1/16S2402D RS1/16S2402D RS1/16S2702D RS1/16SS105J RS1/16SS105J RS1/16SS105J RS1/16SS103J RS1/16SS103J RS1/16SS221J RS1/16SS393J RS1/16SS393J RS1/16SS303J
E	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504 IC 1505 IC 1507 IC 1602 IC 1604 IC 1605 IC 1701 IC 1702 IC 1706 Q 1101 Q 1102 Q 1103 Q 1104 Q 1105 Q 1201	IC I	TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT TC7PA04FU SM8707FV NJM2100M NJM2100V PCM1742KE PE5395B M5M5V216ATP-70HI PD6474B TC7SH08FU 2SB1260 2SB1260 UN2211 2SB709A 2SD601A DTC124EU		1111 1112 1113 1124 1125 1126 1130 1131 1132 1133 1134 1135 1140 1141 1142 1151 1152 1201 1202 1203		RS1/16SS272J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J RS1/16SS224J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J RS1/16S2402D RS1/16S2402D RS1/16S2702D RS1/16SS105J RS1/16SS105J RS1/16SS105J RS1/16SS103J RS1/16SS103J RS1/16SS221J RS1/16SS393J RS1/16SS393J RS1/16SS303J
E	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504 IC 1505 IC 1507 IC 1602 IC 1604 IC 1605 IC 1701 IC 1702 IC 1706 Q 1101 Q 1102 Q 1103 Q 1104 Q 1105 Q 1201 Q 1501	IC I	TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT TC7PA04FU SM8707FV NJM2100M NJM2100V PCM1742KE PE5395B M5M5V216ATP-70HI PD6474B TC7SH08FU 2SB1260 2SB1260 UN2211 2SB709A 2SD601A DTC124EU 2SA1037K		1111 1112 1113 1124 1125 1126 1130 1131 1132 1133 1134 1135 1140 1141 1142 1151 1152 1201 1202 1203	3	RS1/16SS272J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J RS1/16SS224J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J RS1/16S2402D RS1/16S2402D RS1/16S2702D RS1/16SS105J RS1/16SS105J RS1/16SS105J RS1/16SS103J RS1/16SS103J RS1/16SS221J RS1/16SS393J RS1/16SS393J RS1/16SS303J
E	IC 1403 IC 1405 IC 1501 IC 1502 IC 1503 IC 1504 IC 1505 IC 1507 IC 1602 IC 1604 IC 1605 IC 1701 IC 1702 IC 1706 Q 1101 Q 1102 Q 1103 Q 1104 Q 1105 Q 1201 Q 1501	IC I	TC74LCX244FT TC74LCX244FT K4S641632H-TC75 TC74VCX74FT MN677531KAUB TC74VCX74FT TC7PA04FU SM8707FV NJM2100M NJM2100V PCM1742KE PE5395B M5M5V216ATP-70HI PD6474B TC7SH08FU 2SB1260 2SB1260 UN2211 2SB709A 2SD601A DTC124EU 2SA1037K AVIC-N2/		1111 1112 1113 1124 1125 1126 1130 1131 1132 1133 1134 1135 1140 1141 1142 1151 1152 1201 1202 1203	3	RS1/16SS272J RS1/16SS472J RS1/16SS102J RS1/16SS273J RS1/16SS273J RS1/16SS224J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J RS1/16SS0R0J RS1/16S2402D RS1/16S2702D RS1/16SS105J RS1/16SS105J RS1/16SS105J RS1/16SS105J RS1/16SS103J RS1/16SS103J RS1/16SS221J RS1/16SS393J RS1/16SS393J RS1/16SS303J

5	6	-	7	8	
Circuit Symbol and No.	Part No.	Circu	uit Symbol and No.	Part No.	
R 1206	RS1/16SS102J	R 1383		RS1/16SS103J	
R 1209	RS1/16SS221J	R 1391		RS1/16SS103J	
R 1210	RS1/16SS393J	R 1392		RS1/16SS103J	Α
R 1211	RS1/16SS393J	R 1393		RS1/16SS103J	
R 1212	RS1/16SS393J	R 1394		RS1/16SS471J	
R 1213	RS1/16SS393J	R 1395		RS1/16SS0R0J	
R 1214	RS1/16SS221J	R 1396		RS1/16SS0R0J	
R 1215	RS1/16SS1R0J	R 1401		RS1/16SS101J	_
R 1216	RS1/16SS1R0J	R 1403		RAB4CQ220J	_
R 1218	RS1/16SS221J	R 1404		RAB4CQ220J	
R 1219	RS1/16SS221J	R 1405		RAB4CQ220J	
R 1220	RS1/16SS221J	R 1406		RAB4CQ220J	
R 1221	RS1/16SS822J	R 1407		RS1/16SS220J	
R 1222	RS1/16SS822J	R 1408		RS1/16SS103J	В
R 1223	RS1/16SS822J	R 1409		RS1/16SS820J	
R 1224	RS1/16SS563J	R 1410		RS1/16SS820J	
R 1225	RS1/16SS243J	R 1411		RAB4CQ0R0J	
R 1226	RS1/16SS473J	R 1412		RS1/16SS100J	
R 1227	RS1/16SS473J	R 1413		RS1/16SS820J	_
D 4000	D04/40004D04	5 444		DAD 400000 I	
R 1228	RS1/16SS1R0J	R 1414		RAB4CQ820J	
R 1229	RS1/16SS1R0J	R 1415		RS1/16SS103J	
R 1230	RS1/16SS1R0J	R 1418		RS1/16SS221J	
R 1232	RS1/16SS822J	R 1421		RS1/16SS221J	
R 1233	RS1/16SS243J	R 1423		RS1/16SS221J	С
R 1234	RS1/16S391J	R 1424		RS1/16SS221J	Ŭ
R 1235	RS1/16S471J	R 1425		RAB4CQ221J	
R 1236	RS1/16SS513J	R 1426		RAB4CQ221J	
R 1237	RS1/16SS513J	R 1501		RS1/16SS220J	
R 1301	RS1/16SS222J	R 1502		RAB4CQ220J	
R 1321	RS1/16SS104J	R 1503		RS1/16S101J	
R 1322	RS1/16SS0R0J	R 1504		RAB4CQ220J	
R 1323	RS1/16SS221J	R 1505		RS1/16S101J	
R 1324	RS1/16SS221J	R 1508		RAB4CQ220J	
R 1334	RS1/16SS221J	R 1512		RAB4CQ220J	
R 1336	RS1/16SS103J	R 1518		RAB4CQ220J	D
R 1337	RS1/16SS103J	R 1522		RAB4CQ220J	Ь
R 1338	RS1/16SS472J	R 1523		RS1/16S0R0J	
R 1339	RS1/16SS273J	R 1527		RAB4CQ220J	
R 1340	RS1/16SS472J	R 1533		RS1/16SS201J	
R 1341	RS1/16SS273J	R 1534		RAB4CQ220J	_
R 1342	RS1/16SS273J	R 1538		RAB4CQ220J	
R 1344	RS1/16SS273J	R 1539		RS1/16SS221J	
R 1349	RS1/16SS562J	R 1542		RS1/16SS103J	
R 1350	RS1/16SS242J	R 1543		RS1/16SS680J	
R 1352	RS1/16S2702D	R 1544		RS1/16SS0R0J	
R 1353	RS1/16SS102J	R 1545		RS1/16SS0R0J	Е
R 1360	RS1/16SS153J	R 1549		RS1/16SS0R0J	_
R 1361	RS1/16SS105J	R 1550		RS1/16SS0R0J	
R 1362	RS1/16SS473J	R 1551		RS1/16SS0R0J	
R 1363	RS1/16SS101J	R 1552		RS1/16SS471J	
R 1364	RS1/16SS123J	R 1553		RS1/16S68R0D	_
R 1365	RS1/16SS101J	R 1554		RS1/16SS471J	
R 1367	RS1/16SS473J	R 1555		RS1/16SS0R0J	
R 1369	RS1/16SS473J	R 1556		RS1/16SS750J	
R 1375	RS1/16SS103J	R 1557		RS1/16SS0R0J	
R 1376	RS1/16SS103J	R 1558		RS1/16SS622J	
R 1377	RS1/16SS103J	R 1559		RAB4CQ0R0J	F
R 1378	RS1/16SS103J	R 1560		RS1/16SS122J	-
R 1379	RS1/16SS103J	R 1561		RS1/16SS162J	
R 1380	RS1/16SS103J	R 1562		RS1/16SS0R0J	
		AVIC-N2/XU/UC	7		187
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	Circuit Symbol and No.	Part No.	Ci	rcuit Symbol and No.	Part No.
	R 1563	RS1/16SS4R7J	R 1716		RS1/16SS221J
	R 1564	RAB4CQ0R0J	R 1717		RS1/16SS104J
Α	R 1565 R 1566	RS1/16S101J RS1/16S101J	R 1718 R 1720		RS1/16SS104J RS1/16SS104J
	K 1300	K31/1031013	K 1720		K31/10331040
	R 1567	RAB4CQ0R0J	R 1721		RS1/16SS104J
	R 1568	RS1/16S101J	R 1722		RS1/16SS104J
	R 1569 R 1570	RS1/16S101J RS1/16S101J	R 1723 R 1724		RS1/16SS104J RS1/16SS222J
	R 1571	RS1/16S220J	R 1725		RS1/16SS223J
	R 1572	RAB4CQ0R0J	R 1726		RS1/16SS104J
	R 1573 R 1574	RS1/16SS473J RAB4CQ0R0J	R 1727 R 1728		RS1/16SS104J RS1/16SS104J
	R 1575	RAB4CQ0R0J	R 1730		RS1/16SS221J
В	R 1576	RAB4CQ0R0J	R 1731		RS1/16SS104J
	D 4577	DAD 4000D0 I	D 4700		D04/40000D0 I
	R 1577 R 1578	RAB4CQ0R0J RS1/16SS472J	R 1732 R 1733		RS1/16SS0R0J RS1/16SS104J
	R 1579	RS1/16SS101J	R 1734		RS1/16SS221J
	R 1587	RS1/16SS101J	R 1735		RS1/16SS104J
	R 1595	RS1/16SS472J	R 1736		RS1/16SS104J
	R 1596	RS1/16SS472J	R 1737		RS1/16SS104J
	R 1597	RS1/16SS104J	R 1738		RS1/16SS104J
	R 1598	RS1/16SS270J	R 1739		RS1/16SS330J
	R 1601	RS1/16SS821J	R 1740		RS1/16SS0R0J
	R 1602	RS1/16SS821J	R 1741		RS1/16SS0R0J
С	R 1603	RS1/16SS0R0J	R 1742		RS1/16SS473J
	R 1604	RS1/16SS0R0J	R 1746		RS1/16SS104J
	R 1605	RS1/16SS102J	R 1748		RS1/16SS104J
	R 1606 R 1607	RS1/16SS102J RS1/16SS222J	R 1749 R 1750		RS1/16SS103J RS1/16SS473J
	K 1607	K31/1033222J	K 1750		K31/10334/3J
	R 1608	RS1/16SS222J	R 1751		RS1/16SS103J
	R 1609	RS1/16SS472J	R 1752		RS1/16SS104J
	R 1610 R 1611	RS1/16SS472J RS1/16SS472J	R 1753 R 1754		RS1/16SS104J RS1/16SS104J
	R 1612	RS1/16SS472J	R 1756		RS1/16SS104J
D	R 1613	RS1/16SS103J	R 1757		RS1/16SS472J
	R 1614 R 1615	RS1/16SS103J RS1/16SS472J	R 1758 R 1759		RS1/16SS104J RS1/16SS104J
	R 1616	RS1/16SS472J	R 1760		RS1/16S1002D
	R 1626	RS1/16SS0R0J	R 1761		RS1/16SS105J
	D 4007	DC4/40000D0 I	D 4700		DC4/40004701
	R 1627 R 1628	RS1/16SS0R0J RS1/16SS0R0J	R 1762 R 1763		RS1/16SS473J RS1/16SS104J
	R 1637	RS1/16SS104J	R 1764		RS1/16SS104J
	R 1638	RS1/16SS104J	R 1765		RS1/16SS104J
	R 1642	RS1/16SS221J	R 1767		RS1/16SS104J
	R 1643	RS1/16SS221J	R 1768		RS1/16SS473J
Е	R 1645	RS1/16SS0R0J	R 1769		RS1/16SS104J
_	R 1647	RS1/16SS221J	R 1770		RS1/16SS473J
	R 1648	RS1/16SS221J	R 1771		RS1/16SS473J
	R 1649	RS1/16SS101J	R 1773		RS1/16SS103J
	R 1650	RS1/16SS101J	R 1790		RS1/16SS473J
	R 1651	RS1/16SS101J	R 1792		RS1/16SS0R0J
	R 1653 R 1656	RS1/16SS473J	R 1794		RS1/16SS222J
	R 1656 R 1701	RS1/16SS102J RS1/16SS473J	R 1795 R 1796		RS1/16SS104J RS1/16SS473J
	R 1704	RS1/16SS473J	R 1797		RS1/16SS104J
_	R 1706	RS1/16SS104J	R 1798		RS1/16SS104J
F	R 1707 R 1708	RS1/16SS221J RS1/16SS221J	R 1801 R 1802		RS1/16SS104J RS1/16SS104J
	R 1714	RS1/16SS221J	R 1803		RS1/16SS104J
		,			
	R 1715	RS1/16SS473J	R 1804		RS1/16SS102J
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Circuit Symbol and No.	Part No.	Circuit Symbol and No		
R 1805	RS1/16SS102J	C 1313	CKSSYB104K10	
		C 1314	CKSRYB224K10	
<u>CAPACITORS</u>		C 1315	CKSRYB102K50	Α
		C 1316	CKSRYB393K16	
C 1101	CSZSC470M16	0.4047	01/00//04041/40	
C 1102	CSZSR470M6R3	C 1317	CKSSYB104K10	
C 1103	CKSSYB104K10	C 1318	CKSSYB103K16	
C 1104	CKSSYB103K16	C 1319	CKSSYB104K10	
C 1105	CSZSR101M6R3	C 1320	CKSSYB103K16	
		C 1329	CKSSYB104K10	_
C 1106	CKSSYB104K10			
C 1107	CKSSYB103K16	C 1330	CKSRYB183K25	
C 1108	CKSSYB104K10	C 1331	CCSSCH470J50	
C 1109	CKSRYB473K25	C 1332	CKSRYB224K10	
C 1110	CKSRYB473K25	C 1333	CKSRYB224K10	
		C 1334	CKSRYB102K50	В
C 1111	CKSSYB103K16			
C 1112	CKSRYB105K10	C 1335	CKSSYB562K25	
C 1113	CKSRYB105K10	C 1336	CKSSYB104K10	
C 1114	CKSSYB103K16	C 1337	CKSRYB102K50	
C 1121	CKSSYB221K50	C 1338	CKSRYB102K50	
		C 1339	CKSRYB102K50	_
C 1122	CKSRYB393K16			
C 1124	CKSSYB221K50	C 1340	CKSSYB104K10	
C 1125	CKSSYB104K10	C 1341	CCSSCH101J50	
C 1126	CKSSYB104K10	C 1342	CKSRYB391K50	
C 1127	CKSSYB104K10	C 1343	CKSRYB471K50	
		C 1344	CKSRYB331K50	
C 1128	CKSRYB472K50			С
C 1129	CKSSYB104K10	C 1346	CKSRYB224K10	Ü
C 1132	CKSRYB561K50	C 1347	CKSSYB104K10	
C 1133	CKSRYB561K50	C 1348	CKSSYB104K10	
C 1134	CKSRYB273K16	C 1349	CKSSYB104K10	
0 1104	ONONIBETONIO	C 1350	CKSSYB104K10	
C 1135	CKSSYB473K10			
C 1136	CKSSYB104K10	C 1351	CKSSYB104K10	
C 1137	CKSSYB104K10	C 1352	CKSSYB104K10	
C 1137	CKSSYB104K10	C 1401	CCSSCH181J25	
C 1138	CKSSYB104K10	C 1402	CKSSYB104K10	
C 1139	CK331B104K10	C 1403	CKSSYB104K10	
C 1201	CKCCADADAKAO	0 1100	CHOCKET DIGHT.	
C 1201	CKSSYB104K10	C 1404	CKSSYB104K10	_
C 1204	CEV101M16 CKSRYB104K16	C 1406	CKSSYB104K10	D
C 1205		C 1501	CKSRYB224K10	
C 1206	CKSRYB103K50	C 1502	CKSRYB224K10	
C 1207	CKSRYB103K50	C 1502	CKSRYB224K10	
0.4000	000001150050	C 1303	CKSK1 BZZ4K10	
C 1208	CCSSCH5R0C50	C 1504	CKSRYB224K10	
C 1209	CCSSCH470J50	C 1505	CKSRYB224K10	
C 1213	CKSRYB104K25			_
C 1214	CKSRYB104K25	C 1507	CKSRYB224K10	
C 1215	CKSSYB104K10	C 1508	CKSRYB224K10	
		C 1510	CSZSC101M10	
C 1216	CSZSC470M16	0.4540	OLODVDOO 41440	
C 1217	CKSRYB104K25	C 1513	CKSRYB224K10	
C 1218	CSZSC470M16	C 1514	CKSRYB224K10	E
C 1221	CKSRYB104K25	C 1515	CKSRYB224K10	
C 1301	CKSSYB104K10	C 1516	CKSRYB224K10	
		C 1517	CKSRYB224K10	
C 1302	CKSSYB104K10			
C 1303	CKSSYB224K6R3	C 1518	CKSRYB224K10	
C 1304	CKSSYB104K10	C 1519	CKSRYB224K10	■
C 1305	CKSSYB224K6R3	C 1520	CKSRYB224K10	-
C 1306	CKSSYB471K50	C 1521	CKSRYB224K10	
		C 1522	CKSRYB224K10	
C 1307	CKSSYB104K10			
C 1308	CKSRYB224K10	C 1523	CKSRYB224K10	
C 1309	CKSSYB104K10	C 1524	CKSRYB224K10	
C 1310	CKSSYB104K10	C 1525	CKSSYB104K10	F
C 1311	CKSSYB103K16	C 1526	CKSRYB224K10	-
	J. 13 1 5 1001110	C 1527	CKSRYB224K10	
C 1312	CKSSYB103K16			
- · - ·-	223.2.301110	C 1528	CKSSYB104K10	
		AVIC-N2/XU/UC		189
■ 5 ■	6	7	8	109

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	Circuit Symbol and No.	Part No.	Circ	cuit Symbol and No.	Part No.
	_			cuit Symbol and No.	
	C 1529	CKSRYB224K10	C 1720		CKSRYB224K10
	C 1530	CKSRYB224K10	C 1721		CKSSYB104K10
Α	C 1531	CKSSYB471K50	C 1722		CKSRYB224K10
	C 1532	CKSSYB104K10	C 1723		CKSRYB224K10
	0 .002	0.100.2.0	020		0.1011.2220
	C 1533	CKSSYB104K10	C 1724		CKSSYB103K16
	C 1534		C 1727		
		CKSRYB224K10	C 1/2/		CKSSYB224K6R3
	C 1535	CKSSYB104K10			
_	C 1538	CKSSYB104K10	E		
	C 1539	CKSRYB105K10			
			Unit Nu	ımber:CWX3154	
	C 1540	CKSRYB105K10			!1/A\
	C 1542	CKSSYB104K10	Unit Na	ime:Compound Uni	It(A)
	C 1543	CSZS4R7M16			
			Q 1299	Photo-taransistor	CPT231SCTD
	C 1544	CKSSYB104K10	S 1201	Spring Switch(12cm)	CSN1069
В	C 1547	CSZSR330M10	S 1202	Spring Switch(8cm)	CSN1069
	C 1548	CKSSYB104K10	S 1203	Spring Switch(DISC SENS)	
	C 1549	CKSSYB104K10	S 1204	Spring Switch(DISC SENS)	CSN1070
	C 1550	CKSSYB104K10			
	C 1551	CKSSYB104K10			
	C 1552	CKSSYB104K10	S 1205	Spring Switch(8cm)	CSN1070
	C 1332	CK331B104K10	R 1298	,	RS1/16S0R0J
-	0.4554	01/00//51041/10	R 1299		RS1/16S0R0J
	C 1554	CKSSYB104K10	11 1200		1101/10001100
	C 1555	CKSSYB104K10			
	C 1556	CKSSYB104K10	13		
	C 1557	CKSSYB104K10			
	C 1558	CKSSYB104K10	Unit Nu	ımber:CWX3156	
_	0 1000	0.100.2.0	Unit Na	me:Compound Uni	i+/ D \
С	C 1559	CKSSYB104K10	UIIIL ING	inie.Compound om	II(D)
	C 1560	CKSSYB104K10	S 1206	Switch(CLAMP)	CSN1051
	C 1562	CKSSYB104K10		, ,	
	C 1563	CKSSYB104K10	7.77		
	C 1564	CKSSYB104K10	IMI		
				ımber:CZW3087	
	C 1566	CCSSCH7R0D50	OTHE INC	IIIIDei.CZW3067	
	C 1567	CCSSCH7R0D50	Unit Na	me:Main Unit	
			O		
	C 1605	CKSSYB471K50		44176116	
	C 1606	CKSSYB471K50	MISCELI	<u>_ANEOUS</u>	
	C 1609	CKSRYB104K16			
			IC 3801	IC	BA00AST
D	C 1610	CKSRYB224K10	IC 3802	IC	BA6247FP
	C 1611	CSZSR100M16	IC 3803	IC	TA78L05F
	C 1612	CKSQYB225K10	IC 3804	IC	TC7S14FU
	C 1615	CCSRCH471J50	IC 3805	Photo-interrupter	GP2L24B
	C 1616	CCSRCH471J50	10 3003	Photo-interrupter	GF2L24D
	0 1010	0001147 1000			57545454
	0.4047	CCCDCL1474 IFO	Q 3801	Transistor	DTC124EU
	C 1617	CCSRCH471J50	Q 3802	Transistor	2SA1037K
_	C 1618	CCSRCH471J50	Q 3803	Transistor	DTC124EU
	C 1619	CKSRYB104K16	D 3801	Diode	UDZS5R6(B)
	C 1641	CKSRYB104K16	D 3802	Diode	1SS355
	C 1650	CKSYB475K16			
			L 3801	Inductor	LCTA150J2520
	C 1651	CKSYB475K16	L 3802	Inductor	LCTA150J2520
E	C 1676	CSZSR100M10	L 3002	HIGGOO	LO 1/10002020
	C 1701	CKSRYB224K10			
			RESISTO	<u>DRS</u>	
	C 1702	CKSRYB224K10			
	C 1703	CKSRYB224K10	R 3801		RS1/16S103J
			R 3802		RS1/16S222J
	C 1706	CKSRYB224K10	R 3803		RS1/16S471J
_	C 1707	CKSRYB224K10	R 3804		RS1/16S102J
	C 1708	CKSSYB471K50			
	C 1710	CKSRYB224K10	R 3805		RS1/16S102J
	C 1711	CKSSYB103K16	_		
	U 1711	CROOTE TOOK TO	R 3806		RS1/16S102J
	0.4740	CKCCVD400K40	R 3807		RS1/16S102J
	C 1712	CKSSYB103K16	R 3808		RS1/16S103J
	C 1713	CKSRYB224K10	R 3809		RS1/16S222J
F	C 1716	CKSRYB224K10	R 3810		RS1/16S222J
	C 1717	CKSSYB104K10	1. 3010		1.01/1002220
	C 1718	CKSRYB224K10	D 2011		DC4/400400 !
			R 3811		RS1/16S102J
	C 1719	CKSSYB104K10	R 3812		RS1/16S102J
			11/110		
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Circ R 3813 R 3814 R 3815	uit Symbol and No.	Part No. RS1/16S472J RS1/16S102J RS1/16S0R0J				
R 3816 R 3817 R 3818 R 3819 R 3821		RS1/16S0R0J RS1/16S0R0J RS1/16S473J RS1/16S0R0J RS1/16S473J				
R 3822 R 3823		RS1/16S512J RS1/16S0R0J				
CAPACITO	<u>ORS</u>					
C 3801 C 3802 C 3803 C 3804 C 3805		CKSQYB105K16 CKSQYB105K16 CKSRYB104K16 CKSRYB104K16 CKSRYB104K16				
C 3806 C 3807 C 3808 C 3809 C 3810		CKSRYB223K50 CKSRYB223K50 CEVW101M16 CEVW101M16 CKSRYB104K16				
C 3811 C 3812 C 3813 C 3815 C 3819		CEV100M16 CKSRYB104K16 CKSRYB102K50 CKSQYB104K50 CEVW101M16				
	nber:CZW3088 ne:SW Unit					
S 3831 S 3832	Switch (ANGLE) Switch (LIFT)	CSN1052 CSN1052				
	mber:CZW3089 ne:Volume Unit					
VR3841	Rotary (Angle sense)	CCW1025				
Miscella	neous Parts List					
M 1 M 2 M 3 M 3001	Pickup Unit(Service)(DP5) Motor Unit(LOADING) Motor Unit(CARRIAGE) Motor(SPINDLE) Motor Unit(Position)	CXX1915 CXC4659 CXC4314 CXM1308 CXB9515				
M 3002 M 100 M 101 M 102	Motor Unit(Angle) Fan Motor Fan Motor Fan Motor LCD Panel	CXB9516 CXM1284 CXM1289 CXM1293 CWX3056				
	LCD	CAW1870				

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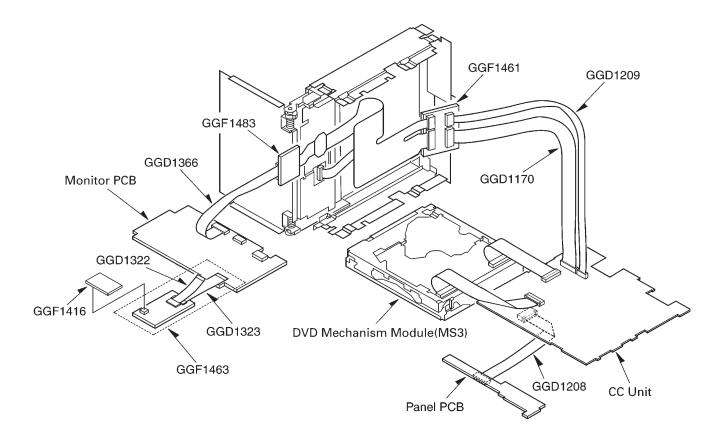
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6. ADJUSTMENT

6.1 JIG CONNECTION DIAGRAM



*1) After connecting the Hideaway Unit, please perform adjustment.

JIG's List

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Function	Name	Jig No.
CC Unit (CN609) <> Main Unit (CN3801)	PCB	GGF1461
CC Unit (CN609) <> GGF1461	40P FFC	GGD1170
CC Unit (CN609) <> GGF1461	20P FFC	GGD1209
CC Unit (CN608) <> Monitor PCB (CN4002)	PCB	GGF1483
CC Unit (CN2701) <> Panel PCB (CN5901)	18P FFC	GGD1208
Monitor PCB (CN4002) <> GGF1483	36P FFC	GGD1366
Monitor Adjustment PCB (*2)	PCB	GGF1416
JIG connector Assy (*2)	PCB and FFC	GGF1463
Monitor PCB ("FOR SERVICE" 14P terminal) <> GGF1463 (*2)	14P FFC	GGD1323
TEST DISC (Operation check)	CD-ROM or DVD-ROM	GGV1137

*2) Since this product does not have OSD IC, OSD for adjustment is displayed by using GGF1416 and GGF1463 at the time of monitor adjustment. As you will find lands for 14 pins with 0.8mm pitch at the left top part of the monitor board, directly solder a flexible PCB of GGD1323 for adjustment. As GGD1322 is not used, be careful not to short the terminal.

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6.2 DVD ADJUSTMENT



1) Precautions

This product uses 5V and 3.3V as standard voltages. The electrical potential that is the reference for signals, is not GND, but VREF (approximately 2.2V) and VHALF (approximately 1.65V).

During product adjustments, if the reference voltage is mistakenly taken as GND, and a grounding contact is made, not only would it be impossible to measure the accurate electrical potential, but also the servo motor would malfunction, resulting in the application of a strong impact on the pick up. The following precautionary measures should be strictly adhered to, in order to avoid such problems.

The reference voltage and GND should not be confused when using the minus probe of a measurement device. When an oscilloscope is being used special care should be taken to make sure that the reference voltage is not connected to the probe of ch1 (on the minus side), while the probe of ch2 (on the minus side), is connected to GND. Further, since the body frame of most measurement devices have the same electrical potential as the minus side of the probe, the body frame of the measurement device should be set to floating ground.

If the reference voltage is connected to GND by mistake, turn the regulator OFF immediately, or turn the power OFF.

- Remove the filters and wires used for measurements only after the regulator has been turned OFF.
- · After the power supply is turned on, regulator ON the following adjustment and measurement are promptly
- Whenever the product is in the test mode, the software will not take any protective action. For this reason, special care should be taken to make sure that no mechanical or electrical shock could be applied to the product when taking measurements in the test mode.
- · Whenever the EJECT key is pressed to eject the disk, no other keys, other than the EJECT key, should be pressed until the disk eject action has been complet-
- · Press the EJECT key only after the disk has stopped completely.
- · If the product hangs up turn the power OFF immediately.
- · Laser didoes may be damaged, if the volume switch for the laser power adjustment of the pick up unit, is turned.

Attention)

· Test mode starting procedure Please select "MS3 check" (page 230) to start test mode.

(Additional Information)

IP-BUS slave unit (i.e. Multi-CD changer) test mode starting procedure.

· To enter the test mode While pressing the SOURCE and ANGLE- keys at the same time, reset.

· Key Assign table

AVIC-N2/XU/UC or AVIC-X1R/XU//EW	MAIN UNIT KEY (6 keys type)
UP	UP
DOWN	DOWN
LEFT	LEFT
RIGHT	RIGHT
BAND	BAND
REAR	1
WIDE	2
ENT	3
ANGLE-	4
ANGLE+	5
EQ	6

^{*} Refer to service manual for adjustment of the slave unit.

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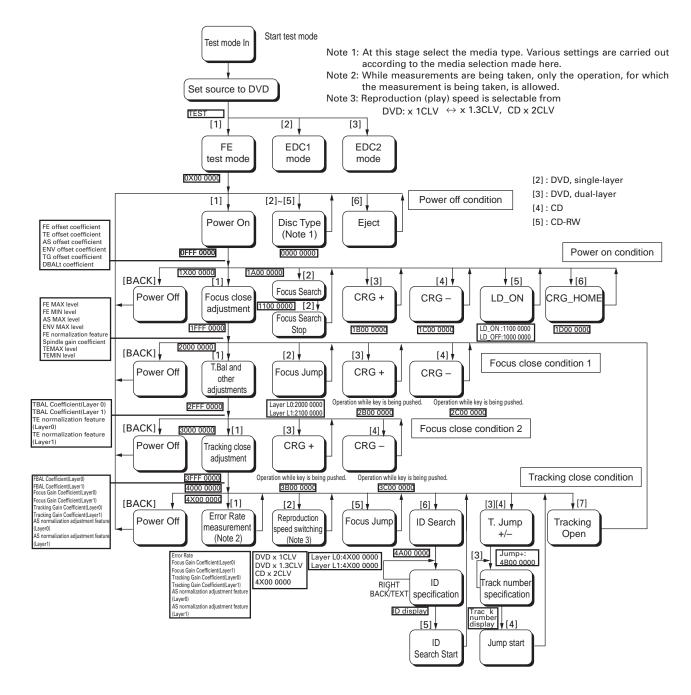
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F-close and F-search cannot be executed, unless LD-ON is set.

[If F-close isn't executed within 9 seconds after LD-ON, it switches to LD-OFF automatically. And even if F-search is executed within 9 seconds after LD-ON, it also switches to LD-OFF.] Please carry out F-close after carrying out power-off at once and carrying out power-on again, when carrying out F-close after performing F-search.

The track number designation is selected from the track numbers already prepared for selection. Switching to cyclic operation is made at step REAR, and the decision is finalized (entered) in step BACK/TEXT.

For CD: Tracks 1, 4, 10, 11 and 32.

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For DVD: Tracks 1, 4, 10, 11, 32, 64 and 100.

Method for designating an ID address:

• A number of digits are determined through commands RIGHT and LEFT. Numerical UP/DOWN operations are performed through commands REAR and BACK/TEXT. The decision is finalized (entered) with command ATT.

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Display

Error Code List

Contents	Display
Mecha. error	No display
No disc	No display
The temperature is abnormal	Thermal Protection in Motion
Read error	Error-02-XX
Non-playable disc	NON-PLAYABLE DISC
Different region disc	DIFFERENT REGION DISC
Undefined error	Error-FF
	Mecha. error No disc The temperature is abnormal Read error Non-playable disc Different region disc

Error code of read error(Part of XX)

Error Code	Contents	Display
0X99	Data cannot read	Please confirm the disc
0X80	The address cannot be found	Please confirm the disc
0X90	Focus error	Please confirm the disc
0X91	Spindle lock NG	DVD is stopping because mechanism detected abnormality
0X92	Carriage home NG	DVD is stopping because mechanism detected abnormality
0X93	FOK error	Please confirm the disc
0X94	ID/Subcode cannot be read	Please confirm the disc
0X95	High spindle rotation	DVD is stopping because mechanism detected abnormality
0X96	Row spindle rotation	DVD is stopping because mechanism detected abnormality
0X98	TOC cannot be found	Please confirm the disc
0X9A	AV chip error	DVD is stopping because mechanism detected abnormality
0X9B	RecaveryNG(BE)	DVD is stopping because mechanism detected abnormality
0X9C	Play state error	
0X9D	Disc data error	
0X9E	Serface error (Disc distinction is improper)	

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The skew adjustment is to adjust the pickup and the flatness of the disc so that the beam from the pickup continues to go to the disc vertically. In MS3 mecha, the pickup shaft on the inner track near the carriage motor is fixed, so the fixed position is regarded as the standard and the flatness is adjusted. Observing the RF waveform on the oscilloscope, repeat the adjustment on the inner track position and the outer track position, and narrow the adjusted value.

If any of the following replacements have been performed on the system, adjustments for pick up, must be conducted:

- 1. Pick up unit replacement
- 2. Spindle motor replacement
- 3. Carriage chassis replacement
- 4. Pick up unit main shaft replacement
- 5. Pick up unit sub-shaft replacement

Measurement device and tools: Oscilloscope

Allen key wrench

40-pin flexible extension (GGD1170)

Screw rock(GYL1001)

Disk used : GGV1018
Measurement reference : GND1
Measurement point : RFOUT

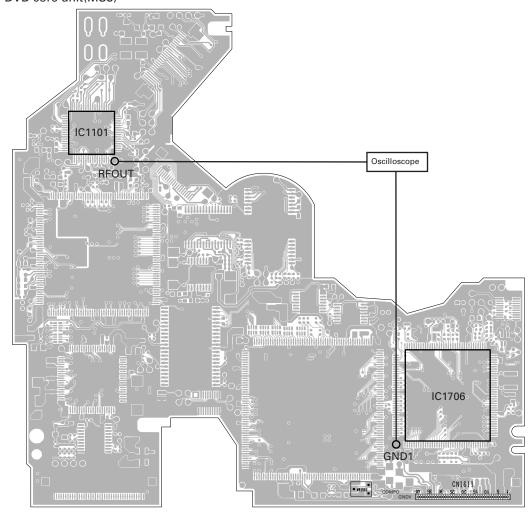
Connection diagram DVD core unit(MS3)

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High jitter of the RF signal RF waveform deformed

Unstable operation in tracking closing and servo control

Caution: Avoid exposing your eyes to laser beams for a long time.

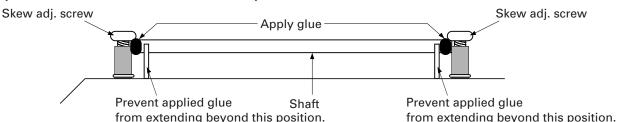
Preparation for adjustment: Clean both ends of the shafts.

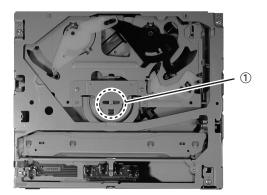
Use brand new skew screws supplied with the service kit GXX1234.

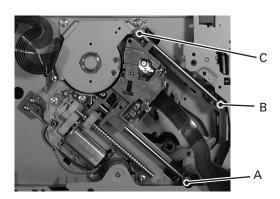
Procedures:

- 1. Place the DVD mechanism module upside down.
 - To avoid the disc from being robbed when it is turned upside down, first put a coin of about 1.5 mm on the table, then turn the disc upside down and set it so that the ① in the figure comes to the point immediately above the coin.
- 2. After replacing the pickup (by referring to the procedures of "Removing the Pickup."), roughly adjust the three skew screws through visual check so that the pickup is mounted in parallel to the CRG chassis around the inner and outer tacks.
- 3. Connect an oscilloscope as shown in the connecting diagram.
- 4. Turn on the power of the product. Load the test disc (GGV1018).
- 5. In the front-end test mode, set the disc type to DVD layer 1. Then, turn on the power. Move the pickup toward the inner tracks.
- 6. Turn on the laser diodes.
- 7. With the focus servo closed, complete all automatic adjustments. Close the tracking servo, and then complete all automatic adjustments.
- 8 Follow the next procedures, from 8-1 to 8-5, and adjust the (three) skew screws.
- 8-1 Move the pickup toward the inner track and turn the skew adjustment screw C so that the RF level of oscilloscope becomes the maximum.
 - (Tangential adjustment at the inner track position: Adjust the flatness of the disc at the inner track position with the adjustment screw C)
- 8-2 Move the pickup toward the outer track and turn the skew adjustment screw B so that the RF level becomes the maximum.
 - (Tangential adjustment at the outer track position: Adjust the flatness of the disc at the outer track position with the adjustment screw B)
- 8-3 Leave the pickup at the outer track position and turn the skew adjustment screws A and B in the same direction alternately one quarter at a time (A•B•A•B ••••) so that the RF level becomes the maximum.

 (Radial adjustment at the outer track position: Keeping the flatness at the outer track position, adjust the flatness
- of the whole disk with the adjustment screws A and B)
 8-4 Move the pickup toward the inner track and turn the skew adjustment screw C so that the RF level becomes the maximum.
 - (Tangential adjustment at the inner track position: Adjust the flatness of the disc at the inner track position with the djustment screw C)
- 8-5 Repeat the steps from 8-2 to 8-4 three times, and adjust at the position where the RF level becomes the maximum.
- 9. Turn off the power in the test mode. After confirming that the disc has stopped, eject the disc.
- 10. Adjust with a screw rock the shaft and skew adjustment screw to the same state as initial one.







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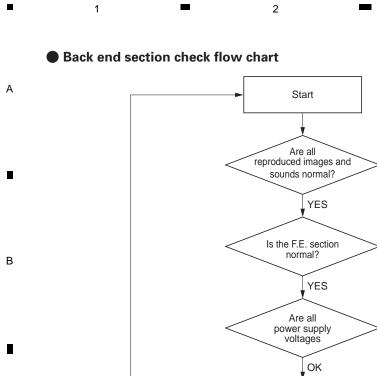
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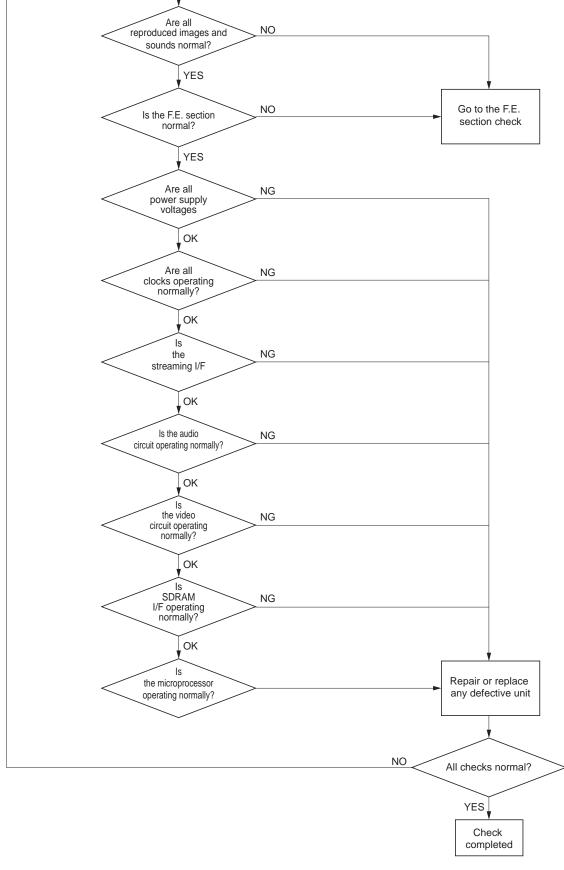






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Reproduce DVD-REF-A1 Title 1.

Verify the voltage of the sensing pin.

If results are not satisfactory, check to see if there are any problems with the resin flux cored solder, parts and components.

NO.	Verification location	Rated value	Unit
1	VD8-PGND	8±0.4	V
2	VD33-GND	3.3±0.3	V
3	SRVDD33-GND	3.3±0.3	V
4	VCC5-GND	5±0.25	V
5	AVCC5-GND	5±0.3	V
6	VCC33-GND	3.3±0.15	V
7	VCC18-GND	1.8±0.15	V
8	VCC25-GND	2.5±0.2	V

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Check 2: Are all clocks operating normally?

Reproduce DVD-REF-A1 Title 1.

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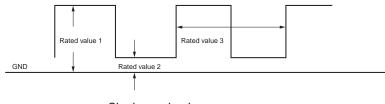
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Checks are to be conducted with a GND reference.

If locations listed under "verification location 2", can be verified, there will be no need to perform verifications for the locations listed under "verification location 1."

If the result is not satisfactory, check to see if there are any problems with the resin flux cored solder, parts and components, in the vicinity of IC1507.

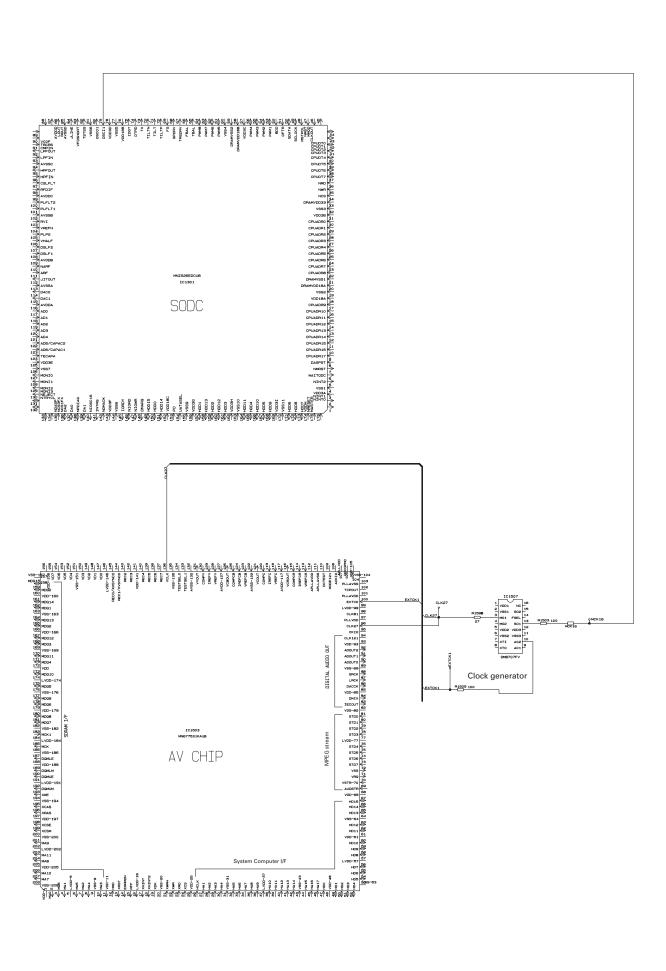
NO.	Verification location 1 (contact measurements)	Verification location 2	Media	Rated value1	Rated value 2	Rated value 3
1	CLK27	IC1503 96pin	ALL	2.65V~VCC33	GND~0.65V	27MHz±50ppm
2	EXTCK1	IC1503 100pin	DVD	2.65V~VCC33	GND~0.65V	36.8640MHz±100ppm
3	EXTCK1	IC1503 100pin	CD	2.65V~VCC33	GND~0.65V	33.8688MHz±100ppm
4	MCK16	IC1301 79pin	ALL	2.33~VCC33	GND~0.99V	16.9344MHz±100ppm
5	MCK33	IC1601 3,33pin	ALL	2.33~VCC33	GND~0.10V	33.8688MHz~40.0000MHz



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Check 3: Is the streaming I/F operating normally?

Reproduce DVD-REF-A1 Title 1.

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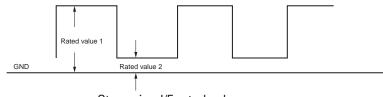
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Checks are to be conducted with a GND reference.

If the locations listed under "verification location 2" can be verified, then there is no need to conduct verifications for the locations listed under "verification location 1."

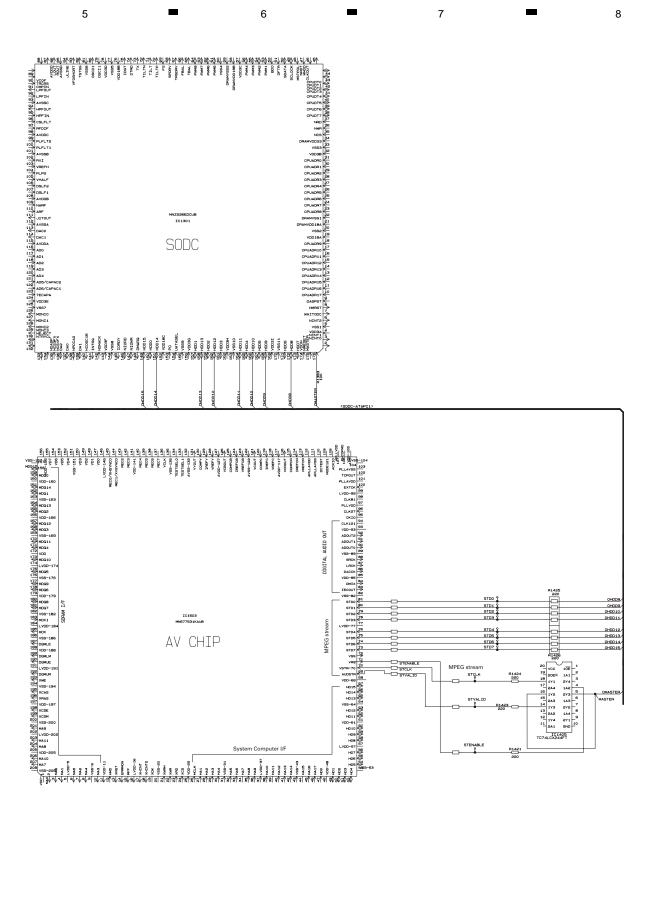
If the result is not satisfactory, check to see if there are any problems with the resin flux cored solder, parts and components, in areas where a problem occurs, for the overall sequence of "output "input" of the checked location.

NO.	Verification location 1 (contact measurements)	Verification location2	Verification Media	Rated value 1	Rated value 2	Reference waveform	Others
1	STD0	IC1503 81pin	DVD	2V~VCC33	GND~0.8V	Waveform 1	Line name OHDD8 at R1425
2	STD1	IC1503 80pin	DVD	2V~VCC33	GND~0.8V	Waveform 1	Line name OHDD9 at R1425
3	STD2	IC1503 79pin	DVD	2V~VCC33	GND~0.8V	Waveform 1	Line name OHDD10 at R1425
4	STD3	IC1503 78pin	DVD	2V~VCC33	GND~0.8V	Waveform 1	Line name OHDD11 at R1425
5	STD4	IC1503 76pin	DVD	2V~VCC33	GND~0.8V	Waveform 1	Line name OHDD12 at R1426
6	STD5	IC1503 75pin	DVD	2V~VCC33	GND~0.8V	Waveform 1	Line name OHDD13 at R1426
7	STD6	IC1503 74pin	DVD	2V~VCC33	GND~0.8V	Waveform 1	Line name OHDD14 at R1426
8	STD7	IC1503 73pin	DVD	2V~VCC33	GND~0.8V	Waveform 1	Line name OHDD15 at R1426
9	STCLK	IC1503 70pin	DVD	2V~VCC33	GND~0.8V	Waveform 2	Line name ODA2 at IC1405
10	STVALID	IC1503 69pin	DVD	2V~VCC33	GND~0.8V	Waveform 2	Line name OINTRQ at IC1405
11	MASTER	IC1301 176pin	DVD	2V~VCC33	GND~0.8V	Waveform 2	Line name STENABLE at IC1405



Streaming I/F rated value

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Check 4: Is the audio circuit operating normally?

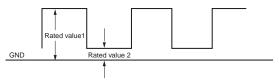
Reproduce DVD-REF-A1 Title 2 Chapter (48V/16-bit/1 kHz/0dB). Verify the circuit described in Figure 2.

Checks are to be conducted using GNDAU1 (sensing pins) as a reference.

If the locations, listed under "verification location 2", can be verified, there is no need to conduct verifications for the locations listed under "verification location 1."

If the result is not satisfactory, check to see if there are any problems with the resin flux cored solder, parts and components, in the vicinity of the main components.

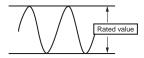
NO.	Verification location 1	Verification location 2	Rated value 1	Rated value 2	Reference waveform
1	AOUT0	IC1503 90pin	2.0V and over	0.8V and lower	Waveform 3
2	SRCK	IC1605 1pin	2.0V and over	0.8V and lower	Waveform 3
3	LRCK	IC1605 3pin	2.0V and over	0.8V and lower	Waveform 3



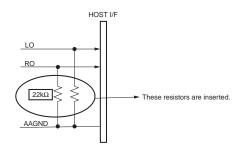
Three serial output rated values

Checks are conducted with the measurement circuit below.

NO.	Verification location 1	Verification location 2	Rated value	Reference waveform
4	LO	CN1611 36pin	1100±150mV	Waveform 4
5	RO	CN1611 34pin	1100±150mV	Waveform 4



Analog audio outputs (LO and RO) rated values



LO and RO output measurement circuit

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Check 5: Is the video circuit operated normally?

Reproduce DVD-REF-A1 Title 2 Chapters (White 100IRE).

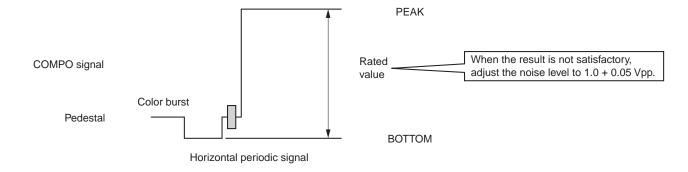
Monitor the output with the oscilloscope, by setting the COMPO signal to a GND reference.

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Set the Trigger mode to the TV trigger, and the Trigger line to line-150.

NO.	Verification location		Reference waveform
	(sensing pin)		waveloriii
1	COMPO	1.0±0.05Vpp	Waveform 5

If the result is not satisfactory, check to see if there are any problems with resin flux cored solder, parts and components, in the vicinity of line-150 (the section marked ⑤ in the circuit diagram) and peripheral components.



Composite signal 100% output waveform

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CN1611 | Note | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100

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Reproduce DVD-REF-A1 Title 1.

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Check the conductivity of both the "Verification location 1" and the "Verification location2."

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If the result is not satisfactory, check to see if there are any problems with the resin flux cored solder, parts and components, in areas where a problem occurs, for the overall sequence of "output "input" of the checked location.

NO.	Signal name	Verification location 1	Verification location 2	Rated value
1	MA0	IC1501 23pin	IC1503 2pin	$22\Omega \pm 5\%$
2	MA1	IC1501 24pin	IC1503 4pin	$22\Omega \pm 5\%$
3	MA2	IC1501 25pin	IC1503 7pin	$22\Omega \pm 5\%$
4	MA3	IC1501 26pin	IC1503 10pin	$22\Omega \pm 5\%$
5	MA4	IC1501 29pin	IC1503 8pin	$22\Omega \pm 5\%$
6	MA5	IC1501 30pin	IC1503 6pin	$22\Omega \pm 5\%$
7	MA6	IC1501 31pin	IC1503 3pin	$22\Omega \pm 5\%$
8	MA7	IC1501 32pin	IC1503 207pin	$22\Omega \pm 5\%$
9	MA8	IC1501 33pin	IC1503 204pin	$22\Omega \pm 5\%$
10	MA9	IC1501 34pin	IC1503 201pin	$22\Omega \pm 5\%$
11	MA10	IC1501 22pin	IC1503 206pin	$22\Omega \pm 5\%$
12	MA11	IC1501 20pin	IC1503 203pin	$22\Omega \pm 5\%$
13	MDQ0	IC1501 2pin	IC1503 159pin	$22\Omega \pm 5\%$
14	MDQ1	IC1501 4pin	IC1503 162pin	$22\Omega \pm 5\%$
15	MDQ2	IC1501 5pin	IC1503 165pin	$22\Omega \pm 5\%$
16	MDQ3	IC1501 7pin	IC1503 168pin	$22\Omega \pm 5\%$
17	MDQ4	IC1501 8pin	IC1503 171pin	$22\Omega \pm 5\%$
18	MDQ5	IC1501 10pin	IC1503 175pin	$22\Omega \pm 5\%$
19	MDQ6	IC1501 11pin	IC1503 178pin	$22\Omega \pm 5\%$
20	MDQ7	IC1501 13pin	IC1503 181pin	$22\Omega \pm 5\%$
21	MDQ8	IC1501 42pin	IC1503 180pin	$22\Omega \pm 5\%$
22	MDQ9	IC1501 44pin	IC1503 177pin	$22\Omega \pm 5\%$
	MDQ10	IC1501 45pin	IC1503 173pin	$22\Omega \pm 5\%$
	MDQ11	IC1501 47pin	IC1503 170pin	$22\Omega \pm 5\%$
	MDQ12	IC1501 48pin	IC1503 167pin	$22\Omega \pm 5\%$
26	MDQ13	IC1501 50pin	IC1503 164pin	$22\Omega \pm 5\%$
27	MDQ14	IC1501 51pin	IC1503 161pin	$22\Omega \pm 5\%$
28	MDQ15	IC1501 53pin	IC1503 158pin	$22\Omega \pm 5\%$
29	MCK	IC1501 38pin	IC1503 185pin	$22\Omega \pm 5\%$
	XWE	IC1501 16pin	IC1503 193pin	$22\Omega \pm 5\%$
	XCAS	IC1501 17pin	IC1503 195pin	$22\Omega \pm 5\%$
	XRAS	IC1501 18pin	IC1503 196pin	$22\Omega \pm 5\%$
	XCSM	IC1501 19pin	IC1503 199pin	$22\Omega \pm 5\%$
	XCSE	IC1501 35pin	IC1503 198pin	$22\Omega \pm 5\%$
35		IC1501 39pin	IC1503 192pin	$22\Omega \pm 5\%$
	DQMLM	IC1501 15pin	IC1503 189pin	$22\Omega \pm 5\%$
37	DQMUE	IC1501 21pin	IC1503 190pin	$22\Omega \pm 5\%$

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Check 7: Is the microprocessor operating normally?

Check the conductivity of both the "Verification location 1" and the "Verification location2."

If the result is not satisfactory, check to see if there are any problems with the resin flux cored solder, parts and components, in areas where a problem occurs, for the overall sequence of "output – input" of the checked location.

NO.	Signal name	Verification	Verification	Verification	Rated value	Others
		location 1	location 2	Media		
1	A1	IC1701 142pin	IC1503 27pin	ALL	0Ω	
2	A2	IC1701 141pin	IC1503 28pin	ALL	0Ω	
3	A3	IC1701 140pin	IC1503 29pin	ALL	0Ω	
4	A4	IC1701 139pin	IC1503 30pin	ALL	0Ω	
5	A5	IC1701 138pin	IC1503 32pin	ALL	0Ω	
6	A6	IC1701 137pin	IC1503 33pin	ALL	0Ω	
7	A7	IC1701 136pin	IC1503 34pin	ALL	0Ω	
8	A8	IC1701 133pin	IC1503 35pin	ALL	0Ω	
9	A9	IC1701 132pin	IC1503 36pin	ALL	0Ω	
10	A10	IC1701 131pin	IC1503 38pin	ALL	0Ω	
11	A11	IC1701 130pin	IC1503 39pin	ALL	0Ω	
12	A12	IC1701 129pin	IC1503 40pin	ALL	0Ω	
13	A13	IC1701 128pin	IC1503 41pin	ALL	0Ω	
14	A14	IC1701 127pin	IC1503 42pin	ALL	0Ω	
15	A15	IC1701 126pin	IC1503 44pin	ALL	0Ω	
	A16	IC1701 123pin	IC1503 45pin	ALL	0Ω	
17	A17	IC1701 122pin	IC1503 46pin	ALL	0Ω	
18	D0	IC1701 17pin	IC1503 47pin	ALL	0Ω	
		IC1701 16pin	IC1503 49pin	ALL	0Ω	
20	D2	IC1701 15pin	IC1503 50pin	ALL	0Ω	
21	D3	IC1701 14pin	IC1503 51pin	ALL	0Ω	
22	D4	IC1701 13pin	IC1503 52pin	ALL	0Ω	
23	D5	IC1701 12pin	IC1503 54pin	ALL	0Ω	
24		IC1701 11pin	IC1503 55pin	ALL	0Ω	
25	D7	IC1701 10pin	IC1503 56pin	ALL	0Ω	
26	D8	IC1701 7pin	IC1503 58pin	ALL	0Ω	
27	D9	IC1701 6pin	IC1503 59pin	ALL	0Ω	
28	D10	IC1701 5pin	IC1503 60pin	ALL	0Ω	
29	D11	IC1701 4pin	IC1503 62pin	ALL	0Ω	
30	D12	IC1701 3pin	IC1503 63pin	ALL	0Ω	
31		IC1701 2pin	IC1503 65pin	ALL	0Ω	
32	D14	IC1701 1pin	IC1503 66pin	ALL	0Ω	
33	D15	IC1701 144pin	IC1503 67pin	ALL	0Ω	
34	XCSAVR	IC1701 101pin	IC1706 1pin	ALL	0Ω	
35	XCSAVW	IC1701 100pin	IC1706 2pin	ALL	0Ω	
36	XCSAV	IC1706 4pin	IC1503 24pin	ALL	0Ω	
37	XAVINT	IC1701 42pin	IC1503 17pin	ALL	0Ω	
38	XAVINT2	IC1701 41pin	IC1503 18pin	ALL	0Ω	
39	XRD	IC1701 95pin	IC1503 23pin	ALL	0Ω	
40	CLKOUT	IC1701 90pin	IC1505 3pin	ALL	33Ω	Dividing circuitFor verification location 2,
						include also IC1502 pin-3
41	HCLK	IC1502 5pin	IC1503 26pin	ALL	$200\Omega \pm 5$ %	·
42	XSRAMWR	IC1701 105pin	IC1505 1pin	ALL	0Ω	
43	XHWR	IC1504 8pin	IC1503 21pin	ALL	$68\Omega \pm 5$ %	

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| SCHAM I/F
| SCHA 101504
1 101A VCC 14
1 10 201A 13
3 10 201A 12
1 1PR 20X 10
5 10 2PR 10
6 10 2PR 17
7 GND 20 5 IC1505

1 1A 1Y 5 6

GND VCC 4

TC7PA04FU

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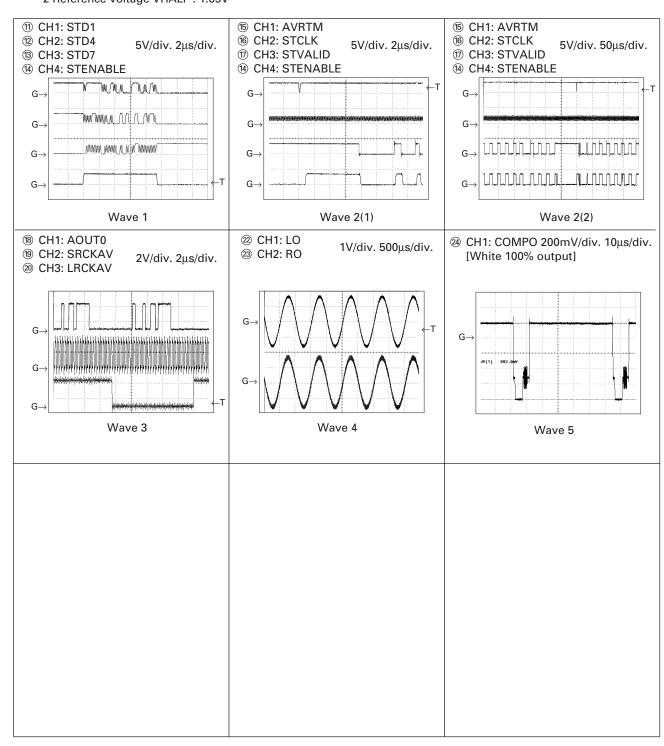
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AVIC-N2/XU/UC

Note:1 The encircled number denote measuring pointes in the circuit diagram. 2 Reference voltage VHALF: 1.65V



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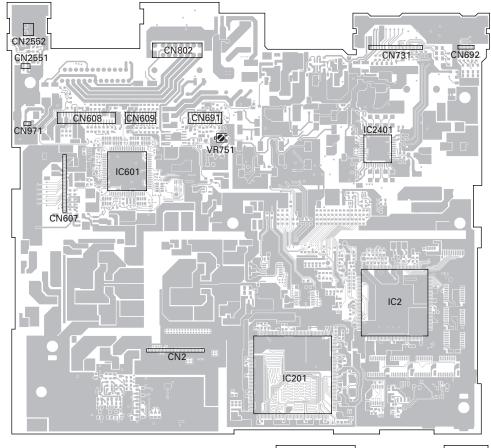
AVIC-N2/XU/UC

6.3 CC UNIT ADJUSTMENT

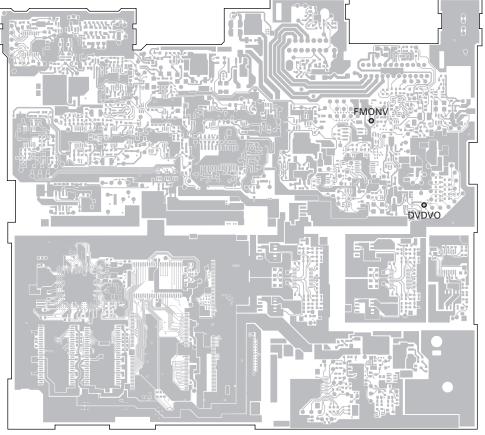


Adjustment point

CC UNIT(SIDE A)



CC UNIT(SIDE B)



AVIC-N2/XU/UC

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Step Adjustment Mode (input test pin, specs, other conditions) waveform) Input test pin, specs, other conditions) Measuring point; FMONV Signal: 100IRE(white 100%) Main VTR Main Input test pin : DVDVO Signal: 100IRE(white 100%) Input test pin : DVDVO Signa	ВL					
Input test pin, specs, other conditions) (measuring point, waveform) Measuring point instruments Input test pin : DVDVO Signal : 100IRE(white 100%) Measuring point : FMONV Level : 1.0Vp-p(via 75Ω) VTR T	Adjustir	VR751				
Input test pin,specs, other conditions) Input test pin : DVDVO Signal : 100IRE(white 100%) Level : 1.0Vp-p(via 75Ω)	Specs	1.50 ± 0.05Vp-p Measure between the sync tip and 100IRE	The 12kΩ terminal on the measuring instrument.			
Input test pin,specs, other conditions) Input test pin : DVDVO Signal : 100IRE(white 100%) Level : 1.0Vp-p(via 75Ω)	Measuring instruments	Oscilloscope				
lnput test pin,sp other condition other condition lnput test pin : DVDV(Signal : 100IRE(white Level : 1.0Vp-p(via 75)	Output (measuring point, waveform)	Measuring point : FMONV				
Step Adjustment Mode item 1 Main VTR	Input (input test pin,specs, other conditions)	Input test pin : DVDVO Signal : 100IRE(white 100%) Level : 1.0Vp-p(via 75Ω)				
Step Adjustment item item 1 Main video level	Mode		VTR			
Step 1	nent n		ain Jevel			
	Adjustr iter	2	video			

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AVIC-N2/XU/UC

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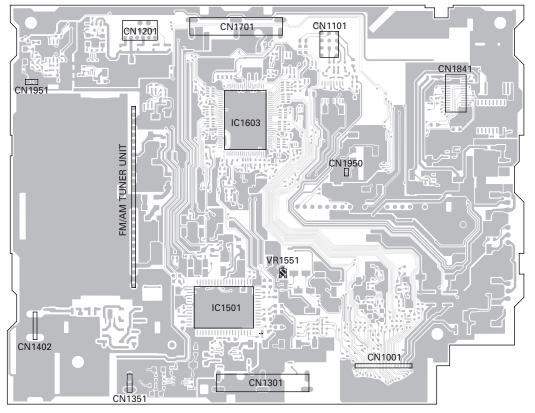
- 4

6.4 MOTHER PCB ADJUSTMENT

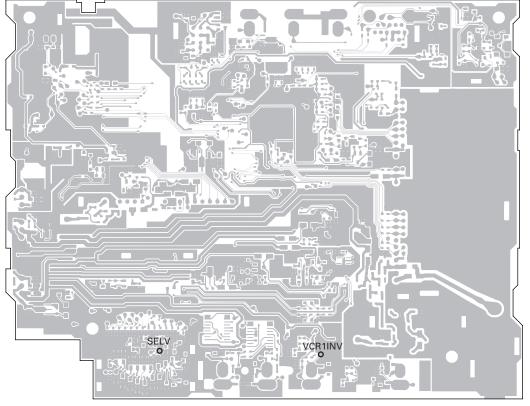


Adjustment point

MOTHER PCB(SIDE A)



MOTHER PCB(SIDE B)



AVIC-N2/XU/UC

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Adjustment item	Mode	Input (input test pin,specs, other conditions)	Output (measuring point, waveform)	Measuring instruments	Specs	Adjusting point
Composite	VTR	Input test pin: VCR1INV Signal: 100IRE(white 100%) Level: 1.0Vp-p(via 75Ω)	Measuring point : SELV	Oscilloscope	1.00 ± 0.05Vp-p Measure between the sync tip and 100IRE (top level).	VR1551
<u></u>					Measuring conditions: Select the 75Ω terminal on the measuring instrument.	

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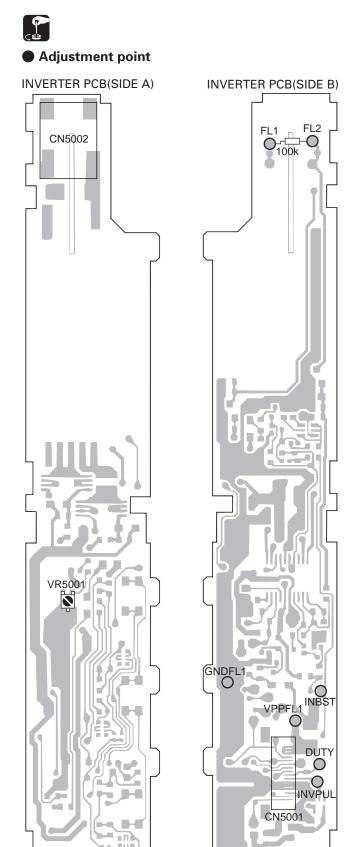
Step

(1) The Video level (Vlevel) is out of spec. When the Vlevel is more than 1.05Vp-p, the images become whitish. When the Vlevel is less than 0.95Vp-p, the images become blackish.

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6.5 INVERTER PCB ADJUSTMENT



No	No Adjustment item Input signal	Input signal	Measuring point	Adjusting point	Measuring Adjusting Measuring method point point	Remarks
	BACK LIGHT	Apply $14.4V \pm 0.2V$ to TP VPPFL1				100k ohms is connected between TP FL1 and TP FL2. It acts as the monitor of the waveform after potential. Don't acts as the monitor of the
_	DRIVE FREQUENCY	TP GNDFL1, TP INVPUL, TP DUTY and TP INBST : GND	TP:FL1,FL2	VR 5001	48.0 ± 0.1kHz	TP FL2 directly. (there is a possibility that a measuring instrument may be destroyed, for high voltage.) Out of spec., when frequency change of following may become impossible.
		Apply wave of 98.0 \pm 1kHz to TP INVPUL				It checks that the waveform after potential is set to 49 kHz
7	FREQUENCY CHANGE CHECK	5V 5V 10±2% 0V	TP:FL1,FL2		49.0 ± 0.5kHz	
		Apply wave of 104.0 \pm 1kHz to TP INVPUL				It checks that the waveform after potential is set to 52 kHz
ო	FREQUENCY CHANGE CHECK	$\begin{array}{c c} & & \downarrow & \downarrow \\ \hline & 10 \pm 2\% & & & \\ \hline & & & & \\ \hline & & & & \\ \hline & & & &$	TP:FL1,FL2		52.0 ± 0.5kHz	

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AVIC-N2/XU/UC

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6.6 MONITOR PCB ADJUSTMENT

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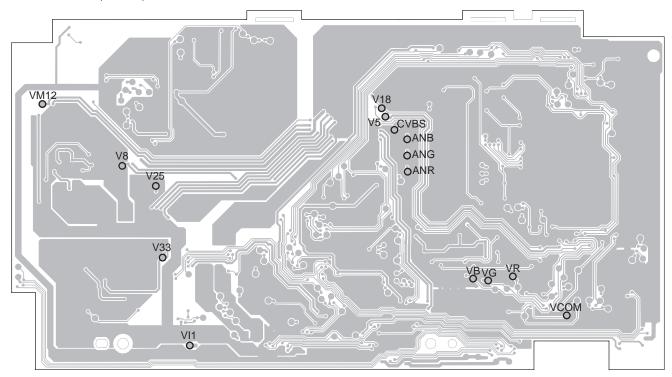
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Adjustment point

MONITOR PCB(SIDE B)



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AVIC-N2/XU/UC

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Notes:
When the power supply for TC90A64AF-P (IC4001) is OFF, be careful not to apply any voltage to its terminals
except for IIC lines(SDA and SCL). The IIC lines can accept a maximum of 5V.

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	Adjustment item	Input	Measuring point	Adjusting point	Measuring method and specs.	Remarks
ς. ×	3.3V power supply 14.4V to TP VI1.	Apply 14.4V to TP VI1.	(TP V33)	-	$\sqrt{33}=3.3 \text{V}\pm0.3 \text{V}$	
	2.5V power supply Apply 14.4V verification	Apply 14.4V to TP VII.	(TP V25)	I	$V25 = 2.5V \pm 0.2V$	
رى >	5V power supply verification	Apply 14.4V to TP VI1.	(TP V5)	I	$V5 = 5.0V \pm 0.3V$	
ω >	8V power supply verification	Apply 14.4V to TP VI1.	(TP V8)	I	V8 = 8.0V ± 0.6V	
۲ >	18.5V power supply Apply 14.4V verification to TP VI1.	Apply 14.4V to TP VII.	(TP V18)	I	V18 = 18.5V ± 0.8V	
	-12V power supply Apply 14.4V verification to TP VI1.	Apply 14.4V to TP VII.	(TP VM12)	I	VM12 = -12.0V ± 0.6V	

AVIC-N2/XU/UC

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Remarks		The signal generator should be used via 75 ohms. (specs in desinging : 75.0 \pm 0.20hms)	The signal generator should be used via75 ohms.	The input signal has no setup. (Apply a black signal to TP CVBS)	The input 10-step signal has no setup.	The input 10-step signal has no setup. If the measured value is out of specs, change the setting of SA24h D11 - 8 (γ 2 inflection point: GAMMA2 in the line adjustment 1 mode) (Register setting specs: 4 \pm 1)
Measuring method and specs.	4.50V ± 0.20V	0.70V ± 0.02V		3.9∨ ± 0.2∨	The first-step A = 0.50V \pm 0.10V (A1+A2)/2 A_1 A_2 A_2 A_3 A_4 A_4 A_5 A	The 10-step A = $3.10V \pm 0.15V$ A= (A1+A2)/2 A1 A2
Adjusting point	I	I	I	I	I	1
Measuring point	TP VCOM	TP ANR,ANG, ANB	TP CVBS	TP VG	TP VG	TP VG
Input	Any input signal	Apply a white 100% signal toTP AVR,ANG. ANB.	Apply a white 100% signal toTP CVBS.	Apply a black signal to TP ANR, ANG, ANB. (Video level:0%)	Apply a 10-step signal to TP ANR,ANG,ANB.	Apply a 10-step signal to TP ANR,ANG,ANB.
Adjustment item	Vcom amp output Voltage waveform Verification	Input waveform verification (RGB)	Input waveform verification (composite)	RGB amp output voltage waveform verification	Gamma 0 Verification	Gamma 2 verification
No	7	ω	6	10	11	12

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AVIC-N2/XU/UC

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1) When the power supply for TC90A64AF-P is OFF, be careful not to apply any voltage to its terminals except for IIC 2) In the following table, SA^* h is a sub-address of TC90A64AF-P. lines(SDA and SCL). The IIC lines can accept a maximum of 5V

After being written in,the setting value of EEP-ROM is checked. 2 mode,DOT CLK can be used If it input a signal for alternate white into TP CVBS, it is possible. (However, adjustment by RGB has priority.) The luminance level of the input signal: 50%. In the flicker adjustment mode, COM DC can be used as the adjusting point. Register setting specs: 8±2 (specs in designing: 8±1) In the Line adjustment 2 mode, SUB BRI R can be used as the adjusting point. Register setting specs: 64 ± 3 Register setting specs: 64 ± 3 Register setting specs : 8 \pm 2 (specs in designing: 8 \pm 1) In the Line adjustment 2 mode, SUB BRI B can be In the Line adjustment 2 mode, SUB CON B can be used as the adjusting point. (specs in designing: 64 ± 2) In the Line adjustment 2 mode, SUB CON R can be used as the adjusting point. used as the adjusting point. (specs in designing: 64 ± 2) Block light lighting. An animation is displayed. Remarks as the adjusting point. Adjust the 10th step levels of the G waveform and the R waveform.(Measuring point is the same as that of No,14.) of the G wave form and the R waveform.(Measuring point is the same as that of No,13.) Adjust the first step levels of the G waveform and the B waveform. Adjust so that the flickers become minimum in all Measuring method Adjust the first step levels Adjust the 10th step levels of the G waveform and the B waveform. Keep the unit in the operation mode for 30 minutes or longer. and specs. 5(0101)Register setting of SA22h D15 - 8 Register setting of SA39h D11 - 8 setting of SA26h D7 - 1 setting of SA39h D15 - 12 Register setting of SA26h D15 - 9 Register setting of SA2Ah D3 - 0 Adjusting Register Register point Ī TP VG and VB TP VG and VB TP VG and VR TP VG and VR Measuring point Screen 1 Apply a 10-step signal to TP ANR,ANG, ANB. nput a signal for Apply a 10-step signal to TP ANR,ANG, ANB. signal to TP ANR,ANG, ANB. and black lines to TP ANR, TP ANG and signal to TP ANR,ANG, ANB. alternate white Any input signal Any input signal Input Apply a 10-step Apply a 10-step **IP ANB** Adjustment item R SUB BRIGHT **SUB BRIGHT** Horizon dot position B SUB CONTRAST R SUB CONTRAST Aging Flicker ž 13 14 15 16 17 9 9

Flicker adjustment has been deviated The images flicker.

●EEPROM setting mode

*) Since this product does not have OSD IC, OSD for adjustment is displayed by using GGF1416 and GGF1463 at the time of monitor adjustment. As you will find lands for 14 pins with 0.8mm pitch at the left top part of the monitor board, directly solder a flexible PCB of GGD1323 for adjustment. As GGD1322 is not used, be careful not to short the terminal.

[Operations]

To enter the setting mode, while keeping the EPRTEST terminal at "Low",

turn reset the monitor micro computer. While pressing the [REAR] and [EQ] Kyes at the same time, reset.

Flicker adjustment mode

Line adjustment 1 mode

Line adjustment 2 mode

Dimmer parameter setting mode

[$\uparrow \downarrow$] button: Used to select a desired adjustment item in each mode

[\longleftrightarrow] button: Used to adjust the selected item

Notes:

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1) The setting values are written in the EEPROM and then the read-out data is displayed on the screen.

WRITE and READ operations are processed by the block data of 16 bits.

The total bits for the settings depend on adjusting items.

2) For CS (Check Sum) items, when the settings are changed, the CS value is written in 8 bits by applying the exclusive OR (XOR). The CS value is first written in the EEPROM and then the read-out data is displayed. If the written data is different from the read-out data, the letter color for the read-out data is changed.

• Memory items and addresses on the EEPROM(S-93C46BR0I-J8T1)

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					• • • •			,0 00			,					
EEPROM address	Bit15	Bit14	Bit13	Bit12	Bit11	Bit10	Bit9	Bit8	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
00H		Dim	mer exte	rnal ligh	thresho	old (high)					Dimmer	external	light thre	eshold (la	ow)	
01H			Backligh	nt output	(upper li	imit)					Bacl	dight out	put (low	er limit)		
02H		Comm		se outpu SA:22h[(COM DC)		Comm	non reser		ıt amplitu 22h[B7-2]		/I AMP)	Don'	t care
03H	Don	't care		Outpu	ıt clamp	DC (RGE 23h[B13-8				Don	't care		γ0 inf		oint (GAN 23h[B3-0]	
04H			int (GAM h[B15-12				oint (GAN 4h[B11-8		γ 1		n point (SA:24h[E	GAMMA 37-31	1)		Don't ca	_
05H			utput su	contras	t R (SUB		-	Don't care		Ou		contrast P SA:26h		CON B)		Don't care
06H	Sub brigh		er γ circuit 89h[B15-12]	SUB BRI R)	Sub brigh		er g circuit (39h[B11-8]	SUB BRI B)				Do	n't care			
07H				Don	't care					Do	n't care		Clock ph		stment (C 2Ah[B3-0]	
08H		Don't care						Do	n't care			Sharpness (S PIP SA:0		Don't care		
09H-1BH	1	Dor					Don't	care								
1CH		Check sum ac					k sum ad	ddress (00h-1bh)								
1DH				Don	t care				Common reverse output center(Reference)							
1EH						Don't	care		Clock phase adjustment initial value							
1FH								Don't	n't care							
20H		Ex	cternal lig	ht of dim	mer adj	ustment(H)		Back light of dimmer adjustment(H)							
21H		Ex	ternal lig	ht of dim	mer adj	ustment(M)			-	Back ligh	t of dimn	ner adjus	stment(M	1)	
22H		Ex	xternal liç	ht of din	nmer adj	ustment(L)				Back ligh	t of dimr	ner adju	stment(L)	_
23H-3FH								Don't	care							

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AVIC-N2/XU/UC

EEPROM initial value

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Item	Meaning	initial value(hex)	initial value(DEC)
COM_DC	Common reverse output center	8C	140
COM_AMP	Common reverse output amplitude	1E	30
RGB_BIAS	Out clamp DC	00	00
GAMMA0	γ0	02	02
GAMMA3	γ3	04	04
GAMMA2	γ2	04	04
GAMMA1	γ1	13	19
SUB_CON_R	Output sub contrast R	40	64
SUB_CON_B	Output sub contrast B	40	64
SUB_BRI_R	Sub brightness R after γ circuit	08	08
SUB_BRI_B	Sub brightness B after γ circuit	08	08
DOT_CLK	Clock phase adjustment	05	05
SHARPNESS	Sharpness	03	03
BL_MAX	Back light output (Max.)	C4	196
BL_MIN	Back light output (Min.)	5B	91
REF_HIGH	Dimmer (H)	C0	192
REF_LOW	Dimmer (L)	60	96
LUM_HIGH	External light (H)	E2	226
LUM_MID	External light (M)	87	135
LUM_LOW	External light (L)	52	82
BL_HIGH	Back light (H)	C4	196
BL_MID	Back light (M)	C4	196
BL_LOW	Back light (L)	68	104

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[Displays in each mode]

In the following figures, the letters and numbers surrounded by a large square are for OSD examples. On the screen, the adjustment names and the settings (or written data) are listed.

The settings (or written data) will change when some adjustments are made in each mode.

(1) Flicker adjustment mode

Adjustment item	Adjustment range	Adjustable name	Settings or written data (DEC)		
Common reverse output center	[0 - 255]	COM DC	255		
 	! ! *		 		
i 	i !		i !		
 	! ! +		! ! +	·	
	! !		ı ‡	ļ 	! !
i !	i +		i +		
	 		 		,
	i !		i Ļ		! !
i 	' +		' 		
! !	I I		I I		1

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^{*} The following examples show the maximum values.

(2) Line adjustment 1 mode

Adjustment item	Adjustment range	Adjustable name	Settings or written data (DEC)		
Bright (SA22: B7-2)	[0 - 63]	BRIGHT	63		LINE1
Contrast (SA25: B7-1)	[0 - 127]	CONTRAST	127		! !
Common reverse output center	[0-255]	COM DC	255		
Common reverse output amplitude	[0-63]	COM AMP	63		
Output clamp DC	[0-63]	RGB BIAS	63		
γ0 inflection point	[0-15]	GAMMA0	15		
γ3 inflection point	[0-15]	GAMMA3	15		
γ2 inflection point	[0-15]	GAMMA2	15		
γ1 inflection point	[0-31]	GAMMA1	31		!
			i i	CS	FF

Notes:

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1) CONTRAST data

The CONTRAST data is adjustable, and used as reference data for other adjustment items, which is not memorized in the EEPROM.

2) BRIGHT and COM AMP data

The BRIGHT and COM AMP adjustments are made by using the same 2-screen IC register(SA22h B7-2: common reverse output amplitude).

Therefore, adjusting one of the data will change the other one.

(3) Line adjustment 2 mode

Adjustment item	Adjustment range	Adjustable name	Settings or written data (DEC)		
Bright (SA22: B7-2)	[0 - 63]	BRIGHT	63		LINE2
Contrast (SA25: B7-1)	[0 - 127]	CONTRAST	127		
Output sub contrast R	[0 - 127]	SUB CON R	127		
Output sub contrast B	[0 - 127]	SUB CON B	127		
Sub brightness R after γ circuit		SUB BRI R	15		
Sub brightness B after γ circuit	[0 - 15]	SUB BRI B	15		
Clock phase adjustment	[0 - 15]	DOT CLK	15		
Sharpness	[0 - 3]	SHARPNESS	3		
			i i	CS	FF

Notes:

1) CONTRAST data

The CONTRAST data is adjustable, and used as reference data for other adjustment items, which is not memorized in the EEPROM.

2) SUB BRI R and SUB BRI B data

The displayed value or EEPROM written data is different from the setting value for the 2-screen IC register (IC4001 : TC90A64AF-P).

(Before displayed on the screen, the setting value is converted via some software.)

Displayed value (adjusting value) (DEC)	E2PROM written value. (DEC)	2-screen IC register setting (BIN)	
15	15	0111	(MAX)
14	14	0110	
•	•	•	
•	•	•	
9	9	0001	
8	8	0000	(TIP)
7	7	1111	
•	•	•	
•	•	•	
1	1	1001	
0	0	1000	(MIN)

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(4) Dimmer parameter setting mode

Adjustment item	Adjustment range	Adjustable name	Settings or written data (DEC)		
Backlight output (MAX)	[0 - 255]	BL MAX	FF		DIMMER
Backlight output(MIN)	[0 - 255]	BL MIN	¦ FF ¦		
Dimmer threshold (high)	[0 - 255]	REF H	FF		
Dimmer threshold (low)	[0 - 255]	REF L	FF		
External light point (high)	[0 - 255]	LUM H	FF		
External light point (middle)	[0 - 255]	LUM M	FF		
External light point (low)	[0 - 255]	LUM L	FF		
Backlight point (high)	[0 - 255]	BL H	FF		
Backlight point (middle)	[0 - 255]	BL M	FF		
Backlight point (low)	[0 - 255]	BL L	FF	CS	FF

Note:

The dimmer point data is memorized in the EEPROM, but not treated as a CS item.

It's because the settings are adjustable by the user.

Dot Clock Adjustment Mode

[Operations]

- · [Dot Clock adjustment mode] starting procedure Reset start while pressing the [ENT] and [ANGLE+] Keys together.
- · [Dot Clock adjustment mode] cancellation Monitor's microcomputer OFF.
- · The operation after this should use Navigation's remote controller.
- · [| 1] button: Used to select a desired adjustment item in each mode.
- \cdot [\leftarrow \rightarrow] button : Used to adjust the selected item.

[EEPROM: S-93C46BR0I-J8T1]

The setting values are written in the EEPROM and then the read-out data is displayed on the screen. WRITE and READ operations are processed by the block data of 16 bits.

[Display]

In the following figures, a large square are for OSD examples.

Dot Clock adjustment mode

Adjustment item	Adjustment range	Adjustable name	Settings or written data (DEC)		
Clock phase adjustment	[0 - 15]	DOT CLK	15		
Clock phase adjustment (initial)	[0 - 15]	[FACTORY	8]	! !
Common reverse output center	[0-255]	COM DC	255		
Common reverse output center adjustment (initial)	[0-255]	[FACTORY	140]	
					I I
			T		T
			!		! !
	i i		T		

^{*} CS(Check Sum)display is not performed.

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■ To operate the Monitor Assy only

Setting of the TP1(EPRTEST), TP2(TESTAGE) and TP3(TOUCHTS) in single operation mode is as follows.

TP2	TP3	TP1	Contents	
L	Н	Н	For aging (See p.221.)	
L	-	L	EEPROM setting mode (See p.222.)	
L	L	Н	Touch panel test mode (See p.231.)	

2

H: Not connect

L: Connect to the ground

Contents of single operation mode

[For aging]

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[EEPROM setting mode]

MVIPW : ON MFLPW : ON

DIMMER : The calculated value from coordinates of EEPROM data

BRIGHT : ± 0 CONTRAST : ± 0 WIDE MODE : Full size

[Touch panel test mode]

MVIPW : ON MFLPW : ON

DIMMER : The calculated value from coordinates of EEPROM data

 $\begin{array}{lll} \text{BRIGHT} & : \; \pm \, 0 \\ \text{CONTRAST} & : \; \pm \, 0 \\ \text{WIDE MODE} & : \; \text{Full size} \end{array}$

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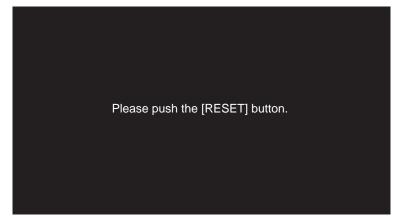
NAVIGATION TEST MODE

- 1. How to start the test mode
- 1. When +Battery and ACC are ON, push RESET and EJECT buttons simultaneously.
- 2. Release RESET button only.
- 3. When "password entry screen" is displayed, release EJECT button.
- 4. Enter the password.
- 5. When the password has been entered, press [ENTER] key.
- 6. If the correct password has been entered, the test mode menu will be displayed.
- * The password entry screen, as the one used in the previous model, is no longer displayed.
- << Password for the service >>

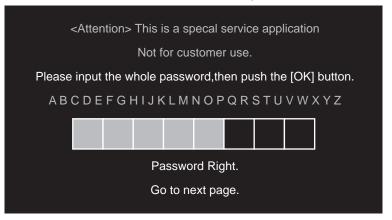
The password is $[\uparrow (up)] \rightarrow [\uparrow (up)] \rightarrow [\downarrow (down)] \rightarrow [\downarrow (down)] \rightarrow [ENTER]$.

If 8 digits or more are entered and [ENTER] key is pressed, it will be treated as a password error.

· Password entry screen



• Password OK: After 2 seconds or so, the screen will automatically move on to the menu screen.



• Password NG: Nothing will be displayed, and reboot action will be taken.

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- 1. Remocon touch panel test
 2. Version check
 3. Error log
 4. Format FLASH drive
 5. Erase APL-file in FLASH
 6. Clear backup memory
 7. GPS backup data clear
 8. GYRO SENSOR INFO data clear
 9. Port status information

==> next page SYSTEM Ver. : [BOOT] 0.65 [OS] 0.65

N.		0 11: 1:	0 : ::::
No.		Outline of inspection	Content if inspection
1	Remocon touch	Remote controller touch	Calibration setting and remote controller
	panel test	panel inspection	inspection are performed.
2	Version check	Version information	Display of various version information.
		check	(system software, GPS, system
			microprocessor, microprocessor for
			mechanism control, microprocessor for
			timer).
			The screen will return to "menu" by BACK
			key.
3	ERROR log	Error history entry	History of system software errors stored in
			SRAM is displayed.
			Maximum 8 events from the error last
			occurred can be displayed.
			The screen will return to "menu" by BACK
			key.
4	Format FLASH drive	FLASH format	FLASH domain used by the system soft is
			initialized.
			When the job is done, the screen will return
			to "menu".
5	Erase APL-file in	Application file inside	Application file inside FLASH is clear.
	FLASH	FLASH is clear	*(Except voice data and SRAM backup
			variable)
			When the job is done, the screen will return
			to "menu".
6	Clear backup	Back up variables	SRAM domain used by the system software
	memory	initialization	is initialized.
			When the job is done, reboot action will be
			taken.
7	GPS backup data	GPS back up data clear	SRAM domain used by GPS is initialized.
	clear		When the job is done, the screen will return
			to "menu".
8	GYRO SENSOR	Learned data inside gyro	Learned data inside gyro sensor is cleared.
	INFO data clear	sensor is clear	When the job is done, the screen will return
			to "menu".
9	Port status	Port status display	Port status is displayed. (reverse, parking,
	information		pulse, SDRAM capacity.)
$\overline{}$			

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No.	Inspection item	Outline of inspection	Content if inspecti	on	
1	Change to	Switching of error	Display setting for		debugging)
	display error	information display	Message/Informat		
2	Start within	Switching of debug	Setting for debug		
	debug shell	shell start	Off (no initial start		
	3		Recognition methods changed.		
			changed.	0	NA/ Standard Indiana.
				System	Write when the version
				program	No. in the disc is higher.
				System data	Write when the version
					No. in the disc is
			Disc version		higher.
			(default)	GPS program	Write when the version
					No. in the disc is
					higher.
				Application	Write when the version
3	Program	Switching of program		program	information is different
	loading	loading			from the one in disc.
				System	Write when the version
				program	No. in disc or card is
					higher.
				System data	Write when the version
					No. in disc or card is
			Version upgrade		higher.
			(for debug)	GPS program	Write when the version
					No. in disc or card is
					higher.
				Application	Write when the version
				program	No. in disc or card is
					higher.
4	GPS	GPS assessment system			ed. The system will
	assessment	start	return to "menu" by BACK key.		
5	File	File maintenance	File maintenance operations are made. Formatting		
	maintenance	function	1		h Card) are made.
			SRAM data is retri		
					SRAM from PC card.
6 Program forced Program forced write Rewriting of SYS (system), G					
	write		(application) softw		
				The system will r	return to "menu" by
			BACK key.		

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No.	Inspection item	Outline of inspection	Content if inspection
1	SRAM/SDRAM test	Memory inspection	SRAM: Device inspection and bus inspection are performed against all SRAM domains. Data will be protected. (applicable to both 32M and 64M) SDRAM: Device inspection and bus inspection are performed against all SDRAM domains. Data will be protected for both BIOS domain and USER domain. The function for SDRAM all domain inspection will activate by the built-in instruction RAM.
2	SENSOR test	Sensor inspection	G sensor, gyro, power supply voltage and installation condition are displayed. The system will return to "menu" by BACK key.
3	CD-ROM reading test	CD-ROM read test	Inspection for reading by CD-ROM drive is performed.
4	RGB test	Image RGB inspection	RGB inspection (Upper half, 8 colors. Black/blue/red/pink/green/light blue/yellow/white display. Lower half, 3 colors. Red/green/blue.) →red (FULL)→green (FULL)→blue (FULL)→ Switching can be made by [←] and [→] keys. The system will return to "menu" by BACK key.
5	MS3 check	MS3 check [V+R]	MS3 mechanism test mode inspection.
6	Region code	Region code display	Region code display.

3. How to select test mode menu

Select a desired menu by $[\uparrow]$ and $[\downarrow]$ keys, and execute by pressing [ENTER] key. Pages can be changed by $[\leftarrow]$ and $[\rightarrow]$ keys.

4. Version information

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Version No. for BOOT section = X.XX System software does not exist in SDRAM. Version No. for BOOT section = X.XX Version No. for SDRAM = Y.YY

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- How to operate the touch panel test mode is described below.
- First, "1. Setup touch-panel effective range" in the touch panel test menu is made.
- Next, "3. Test Touch-panel", and if the result is OK, then EXIT the screen.
- If the result is NG, conduct "2. Setup calibration", and conduct "3. Test Touch-panel" once again. If the result is OK, then EXIT the screen.
- Furthermore, details of the misalignment can be verified by the "5. Check Touch-panel compensation".
- *) When inspecting the touch panel, use something thin with a round tip such as the touch pen. Furthermore, do not apply excessive force to the touch panel.

Main Menu

Remocon / Touch-panel Test

* 1. Setup touch-panel effective range
2. Setup calibration
3. Test Touch-panel
4. Check now calibration condition
5. Check Touch-panel compensation
6. Check Touch-panel graphics
7. Check Touch-panel navi coordinate

[CR] Menu selection
[JS UP / DOWN] Cursor movement
[BACK] End of test

"*" mark shown on the left side of menu item "1" indicates that the setting has been completed. The setting items where "*" is actually indicated will be "1. Setup ~" and "2. Setup ~" only.

[CR] Enter

[UP/DOWN] Selection of the inspection item [BACK] Return (to the test mode menu)

1. Setup touch-panel effective range

Setup touch-panel effective range
The present of the touch-panel effect range (before. after)

min X: (37, 36)

max X: (230, 232)

min Y: (36, 36)

max Y: (210, 211)

<Caution>

Please trace a white line.

Please move to calibration setup after this setup.

Adjustment steps

- 1) Trace the edge of the screen along the monitor resin frame with a round-headed thing to obtain the coordinates.
- 2) Press the [BACK] kev.

Explanation of the displays

5

 $min_x(A,B)$: X coordinate of the touch panel • minimum value received $max_x(A,B)$: X coordinate of the touch panel • maximum value received $min_y(A,B)$: Y coordinate of the touch panel • minimum value received $max_y(A,B)$: Y coordinate of the touch panel • maximum value received

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- A = A coordinate which is already stored in the SRAM (If there is no previous data in the SRAM, "min=90, max=180" will be displayed).
- B = An updated coordinate which is planned to be set in the SRAM this time (If there is no previous data in the SRAM, "min=90, max=180" will be displayed).
- [BACK]: The preset effective range is registered, and the screen will return to the remote controller inspection menu. The data of the effective range will be recorded in the SRAM.
- In case the compensation value is not preset in the SRAM, the following initial (default) value will be entered automatically at the time of navigation system boot up.

 $min_x = 42$ (right edge limit value)

 $max_x = 246$ (left edge limit value)

min_y = 49 (bottom edge limit value)

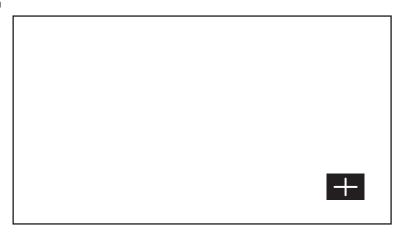
 $max_y = 238$ (top edge limit value)

2. Setup calibration

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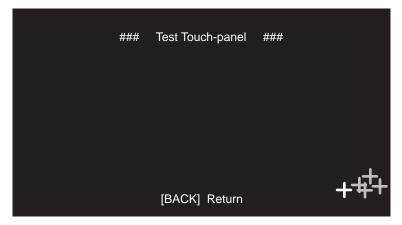
Explanation

- A [+] cursor is displayed at 16 locations on the screen for calibration. Finally, verification of a single point is made. The cursor is always displayed at one location only, and moves on to the next location as the current one is correctly pressed.
- When pressing on the [+] cursor, make sure to press at the center of "+".
- The result of calibration will be recorded in the SRAM.
- If effective operation is not made for 30 seconds, the system will recognize as "erroneous end" and stops the calibration.

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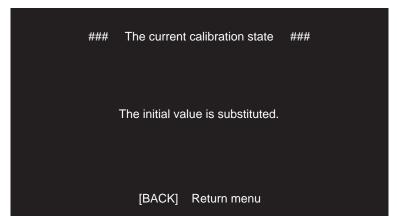


Explanation on touch panel misalignment verification test.

- 1) The test is intended to verify if the touched point on the touch panel is correctly recognized or not.
 - [+] cursor will be displayed at 16 locations on the screen.
 - The cursor will be displayed in "white color" only one at a time.
 - Each time the cursor is touched correctly, the next point will be displayed.
 - On the other hand, if it is recognized that the point touched was ± 4 dots vertically and ± 5 dots horizontally away from the center of the displayed [+] cursor, the erroneously recognized coordinate [+] will be drawn in "red color".
- 2) When touching the [+] cursor, touch the center of the + mark correctly.
- 3) If [BACK] is touched, the test will be finished, and the screen will return to the menu screen of the touch panel test mode.

If this test turns out to be NG, it will be necessary to redo "1. Setup touch-panel effective range" and "2. Setup calibration". Repeat the above steps once again.

4. Check now calibration codition



Explanation on the setting status of the calibration compensation value.

The current calibration compensation status is displayed.

The following data will be displayed.

"With no calibration value" (in white characters)

In case the compensation value does not exist in the SRAM.

"The effective range value is stored"

In case the compensation value for the upper limit and the lower limit are preset in the SRAM.

"The calibration compensation value is stored"

In case the calibration compensation values for the 16 points are preset in the SRAM.

"The effective range & calibration value is stored."

In case the upper limit and the lower limit values and the 16 points calibration values are preset in the SRAM. "The initial value is substituted."

In case the value stored as the initial (default) value is preset in the SRAM.

"Error Condition"

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In case the SRAM value is demolished or some unexpected situation is happening.

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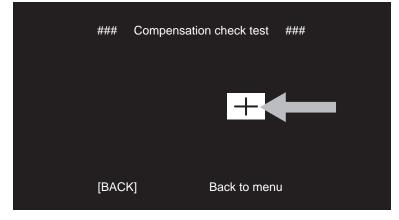
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5. Check Touch-panel compensation



[BACK]: The system will return to the remote controller inspection menu.

Explanation of the inspection details

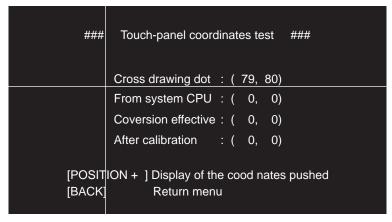
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- Regarding this inspection, the title only will be displayed at the initialized stage.
- As shown by the arrow, press any desired location on the monitor.
- A coordinate after the calibration correction will be displayed by the [+] mark against the coordinate recognized as pressed.

6. Check Touch-panel graphics



[NAVI] + pressing the touch panel: The coordinate of the touch panel at that time will be displayed.

- [†]: Horizontal line will move upward.
- [↓]: Horizontal line will move downward.
- [←] : Vertical line will move to the left.
- [→] : Vertical line will move to the right.

[BACK]: The system will return to the remote controller inspection menu.

Explanation of the displayed coordinate (from top to bottom)

- (79, 80): Coordinate of the crossing point by the vertical and the horizontal lines (X direction, Y direction). $[(0\sim500, 0\sim240)]$
- (0, 0) : AD data value (X direction, Y direction) representing the coordinate of the pressed location received from the system control microprocessor.
- (0, 0): Coordinate (X direction, Y direction) obtained by normalizing the AD data value of the pressed location within the effective range.
- (0, 0): Coordinate (X direction, Y direction) obtained by adding the correction based on calibration to the normalized coordinate.

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[BACK] + pressing the touch panel will make the system return to the remote controller inspection menu.

Explanation of the displayed content.

panel x_before: X coordinate normalized (expanded) within the effective range. panel y_before: Y coordinate normalized (expanded) within the effective range. panel x_after: X coordinate obtained by adding the correction based on calibration. panel y_after: Y coordinate obtained by adding the correction based on calibration.

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 VERSION INFORMATION

 1. System boot version
 [0.65]

 2. System OS version
 [0.65]

 3. GPS program version
 [3.60]

 4. Application version
 [NG]

 5. Language data version
 [NG]

 6. Sound data version
 [NG]

 7. Syscom version
 [6.11]

 8. Drive core version
 [9.22]

 9. Drive apl version
 [8.21]

 10. TV ucom version
 [7.01]

 +
 Return = [BACK]

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	item	content	information	filename
1	System boot version	Version information of the system software BOOT section (FLASH) is displayed.	**.** -> Version information of the system software BOOT section	EW040BOT.GBR UC040BOT.GBR
2	System OS version	Version information of the system software OS section (FLASH) is displayed.	**.**- > Version information of the system software OS section NG -> System program doesn't exist.	EW040SYS.xxx (xxx: GBR, DEU, FRA, ITA, NLD, ESP, SWE, DNK) UC040DAT.yyy (yyy: USA, FRA, ESP)
3	GPS program version	Version information of the GPS program (DRAGON) is displayed.	**.** -> Version information of the GPS program NG -> GPS program doesn't exist.	EW040GPS.PRG UC040SYS.PRG
4	Application version	Version information of the application program (FLASH) is displayed.	**.** -> Version information of the application program NG -> Application program doesn't exist.	EU040APL.PRG
5	Language data version	Version information of the language data (FLASH) is displayed.	**.** -> Version information of the language data NG -> Language data doesn't exist.	EW040DAT.xxx (xxx: GBR, DEU, FRA, ITA, NLD, ESP, SWE, DNK) UC040DAT.yyy (yyy: USA, FRA, ESP)
6	Sound data version	Version information of the sound data (FLASH) is displayed.	**.** -> Version information of the sound data NG -> Sound data doesn't exist.	EW040SDF.xxx (xxx: GBR, DEU, FRA, ITA, NLD, ESP, SWE, DNK, BEL) UC040SDF.yyy (yyy: USA, FRA, ESP)
7	Syscom version	Version information of the system microprocessor is displayed.	**.** -> Version information of the system microprocessor NG -> Communication with the system microprocessor has not been established.	
8	Drive core version	Core version information of the microprocessor for mechanism control is displayed (V+R)	**** -> Core version information of the microprocessor for mechanism control NG -> Communication with the microprocessor for mechanism control has not been established. NON -> ROM only mechanism	
9	Drive apl version	Application version information of the microprocessor for mechanism control is displayed (V+R)	**.** -> Application version information of the microprocessor for mechanism control NG -> Communication with the microprocessor for mechanism control has not been established. NON -> ROM only mechanism	
10	TV ucom version	Version information of the microprocessor for TV is displayed	**.** -> Version information of the microprocessor for TV NG -> Communication with the microprocessor for TV has not been established.	
11	Monitor ucom version	Version information of the microprocessor for Monitor is displayed	**.** -> Version information of the microprocessor for Monitor NG -> Communication with the microprocessor for Monitor has not been established.	
12	System language	System language file in the system program (FLASH) is displayed	**.** -> System language program file name NG -> System language data doesn't exist.	EW040SYS.xxx (xxx: GBR, DEU, FRA, ITA, NLD, ESP, SWE, DNK, BEL) UC040SYS.yyy (yyy: USA, FRA, ESP)
13	Application language	Application language data file (FLASH) is displayed	**.** -> Application language data file name NG -> Application language data doesn't exist.	EW040DAT.xxx (xxx: GBR, DEU, FRA, ITA, NLD, ESP, SWE, DNK, BEL) UC040DAT.yyy (yyy: USA, FRA, ESP)
14	Sound data language	Language sound data file (FLASH) is displayed	**.** -> Language sound data file name NG -> Language sound data doesn't exist.	EW040SDF.xxx (xxx: GBR, DEU, FRA, ITA, NLD, ESP, SWE, DNK, BEL) UC040SDF.yyy (yyy: USA, FRA, ESP)

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1. Error Information

Descriptions of error information, for errors arising from system software problems, will be provided in this section.

Up to eight sets of information, related to the system software's errors, will be stored in the SRAM.

By executing hi_sysdwn() the line number (on which the error occurred), the error code and detailed information of the error, will be stored in the error log.

Hi_sysdwn() will be executed in the following two circumstances:

- 1. hi_sysdwn() will be intentionally stored if fatal errors occur with each BIOS.
- 2. If multiple exceptions, fatal exceptions, illegal command codes and trap command errors occur.

2. Error Log's Entry Function

Up to twenty-four sets of information, related to errors starting with the latest error, will be displayed by the error log entry function.

There are two types of error log displays.

The display will vary when the argument provided to hi_sysdwn(), depending on whether detailed information (such as program name, version number, creation date, creation time and creator name) exists or not.

1. When detailed information exists:

```
** ERROR INFORMATION **

ERCD = 00000028(40)

FILE = ini\_usf.c

LINE = 510(000001fa)

VERS = 1.1.1.1

DATE = 2003/08/08

TIME = 06:07:26

AUTH = daisuke

ERROR-TIME ffff-ff ff:ff:ff

No.4 \leftarrow ERROR No.3 \rightarrow No.2

Stop when push [BACK] button.
```

ERCD	Error code.
FILE	Error occurring program name.
LINE	Error occurring program line number.
VERS	Error occurring program version number.
DATE	Error occurring program creation date.
TIME	Error occurring program creation time.
AUTH	Error occurring program creator name.
ERROR-TIME	Error occurrence date and time.

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2. When detailed information does not exist:

** ERROR INFORMATION **

type = 000000b7(183)
ercd = ffffc002(-16382)
inf = ffb7ac18(-4740072)

ERROR-TIME ffff-ff-ff ff:ff:ff
No.2 ← ERROR No.1 → No.24
Stop when push [BACK] button.

type	Error occurring program line number.
ercd	Error code.
inf	System down information.
ERROR-TIME	Error occurrence date and time.

If an error occurs due to a multiple exception, the definitions will change to the following:

type Execution address at the		Execution address at the time of error occurrence.	
	ercd	Contributing factor for the exceptions.	
	inf	Program status word at the time of error occurrence.	
	ERROR-TIME	Error occurrence date and time.	

3. Error Information Switch

The product (with default settings) will display error messages to the user if an error occurs. Error information can be displayed if an error occurs by switching the error information in the test mode. In either case, the error log entry display will be the same.

- 1) Error message display (default settings):
- Setting in the test mode:

TESTMODE MENU [SERVICE_MENU(TECHNICAL)] 1. Change to display error [Message] 2. Start within debug shell [On] 3. Program loading [Disc version] 4. GPS assessment 5. File maintenance 6. Program forced write <== back page ==> next page SYSTEM Ver. : [BOOT]0.65 [OS]0.65

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· Display when an error occurs:

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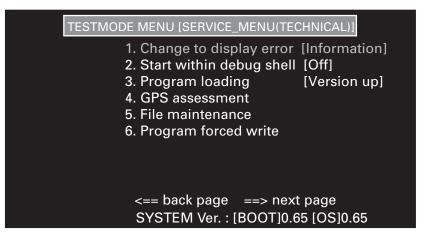
An error has occured.
Please turn power off and on again.

Une erreur a été décelée.
Veuillez éteindre puis rallumer le système.

Fehler.
Bitte System aus- und wieder einschalten.

2) Error information display

• Settings in the test mode:



Display when an error occurs:

• If error information exists:

```
** ERROR INFORMATION **

ERCD = ffffffff(-1)

FILE = tsk_ini.c

LINE = 152(00000098)

VERS = 1.11

DATE = 2003/04/03

TIME = 04:59:10

AUTH = jin

ERROR-TIME ffff-ff ff:ff:ff
```

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• If error information does not exist:

** ERROR INFORMATION **

type = 00000109(265)
ercd = 00000001(1)
inf = ffe83230(-1560016)

ERROR-TIME ffff-ff ff:ff:ff

4. Watch dog timer

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This product has a built-in mechanism to monitor at a certain interval whether the software is correctly operating or not.

Once this mechanism becomes inoperable, "reset request" will be sent to the power supply microprocessor when a preset time (approximately 4 seconds) has elapsed.

In order to record operational situation of such an occasion, a special code which is not an error code is recorded in the ERCD.

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Display	Content of inspection
Reverse	Reverse port status
Parking	Parking port status
Pulse	Pulse status

How to operate.

[BACK]: Return to the test mode menu. [NAVI]: Update of the port status.

GPS assessment

GPS TEST FLASH GPS SENSOR :Ver. 0.10 :Ver. 3.09 :Ver. 5.56 02 / 05 / 10 02 / 03 / 12 Press [BACK] to return

FLASH	Display of DRAGON FLASH ROM version information.	
GPS	Display of GPS version information.	
SENISOR	Display of sensor version information	

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G-SENSOR	Display of G sensor voltage				
GYRO	Display of gyro voltage				
POWER	Display of power supply voltage				
FIT UP	Display of installation	on status			
	Display	Status			
	• NG	Installation position is NG.			
	• OK	Installation position is OK. (3rd best)			
	OK (Better)	Installation position is OK. (2nd best)			
	OK (Best)	Installation position is OK. (Best)			
DISTANCE	Display of distance calculation status.				
	Display	Status			
	• INITIALIZE	Sensor initial learning is under way.			
	• GPS	GPS distance. (Model without G sensor.			
		No pulse connection.)			
	• G-SENSOR	G sensor distance. (simple hybrid.)			
	• ND-PG1	ND-PG1 distance.			
	SPEED PULSE	Vehicle speed pulse distance.			
LOW SPEED		n output speed of a low speed	NG vehicle.		
	(Depends on DISTANCE status.)				
	DISTANCE status	SPEED PULSE status	Display		
		Low vehicle speed pulse	CHECK		
		learning is under way.			
	SPEED PULSE	Low vehicle speed pulse is	OK		
		OK.			
		Low vehicle speed is NG.	NG xx[km/h]		
	Others				

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CAUTIONS

Protection is not operational against a mechanical runaway conditions during servo testing. Critical damage can result if the system is allowed to continue in a mechanical runaway state. If abnormal noise is heard during the test, turn the power OFF immediately.

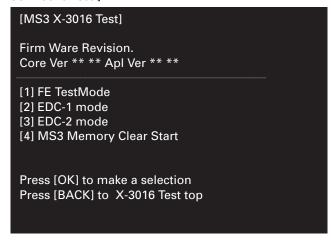
Keys used for the DVD test mode

[OK]: Selection decided.

[BACK]: Go back.

Directional keys : [↑ ↓ ← →] keys

[MS3 X-3016 Test]



Firm Ware Revision: Version of the drive used.

- [1] Start the FE test mode.
- [2] EDC1 mode (available for DVDs only).
- [3] EDC2 mode (available for DVDs only).
- [4] Executes the MS3 memory cleaning operation.
- [OK] Executes.

[BACK] Returns to the test mode menu.

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[X-3016 FE Test menu]

[X-3016 FE Test menu]
Status: Power Off Data: 0000 0000

[1] Power On
[2] Disc tipe: DVD 1-Layer
[3] Disc tipe: DVD 2-Layer
[4] Disc tipe: CD
[5] Disc tipe: CD-RW
[6] Disc Eject

Press [OK] to make a selection
Press [BACK] - Test top(Power Off)

Status: "Power Off (during normal conditions)."

- [1] Power On (proceed to servo test 1-0).
- [2] Disc type: DVD single-layer.
- [3] Disc type : DVD double-layer.
- [4] Disc type : CD.
- [5] Disc type : CD-RW.
- [6] Ejects the Disc.
- [OK] Executes.

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[BACK] Returns to the initial screen display for the test.

[X-3016 DVD Test]

[X-3016 DVD Test] EDC-1

Layer: 0
ID: 20 03 0A 63

[1] Select Layer 0
[2] Select Layer 1
[3] Disc Eject

Press [OK] to make a selection
Press [BACK] to DVD Test top(EDC end)

EDC-1: Performs consecutive EDC tests.

EDC-2: Performs EDC tests for each block.

ID: Performs ID of the test.

- [1] Select layer 0.
- [2] Select layer 1.
- [3] Ejects the Disc.
- [OK] Executes.
- [BACK] Returns to the test mode menu.

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EDC-1 : Performs consecutive EDC tests. EDC-2 : Performs EDC tests for each block.

ID: Performs ID of the test.

- [1] Moves the cursor to the right by one increment.
- [2] Moves the cursor to the left by one increment.
- [3] Moves the cursor up by one increment.
- [4] Moves the cursor down by one increment.
- [5] Starts the EDC test.
- [6] Ejects the Disc.
- [OK] Executes.
- [BACK] Returns to the test mode menu.

[X-3016 DVD 1-Layer Servo. Test(1-0)]



Test items are basically the same for both DVDs and CDs.

Status: "Power On (during normal conditions)."

- [1] Closes in on the focus (proceed to servo test 2-0).
- [2] Performs a focus search operation (S-curve measurement). Focus operation will then be stopped.
- [3] Moves the carriage (external). The carriage transition operation will then be stopped.
- [4] Moves the carriage (internal). The carriage transition operation will then be stopped.
- [5] Performs LD-ON/OFF operation.

5

- [6] Returns the carriage to the home position.
- [BACK] Returns to the DVD test menu screen display.
- * This operation will not be performed until the coefficient figures have been received.

6

* Focus closing and searching will not operate unless the LD-ON setting is made to less than 9 seconds.

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[X-3016 DVD 1-Layer Servo. Test(2-0)]

[X-3016 DVD 1-Layer Servo.Test(2-0)]
Status: Focus Closed Data: 2000 0000

[1] T.Bal
[2] Focus Jump
[3] CRG + (Start/Stop)
[4] CRG - (Start/Stop)

FE MAX: 0000 0000 FE MIN : 0000 0000
AS MAX: 0000 0000 ENV MAX: 0000 0000
FE Normal: 0000 0000
TE MAX: 0000 0000 TE MIN : 0000 0000

Press [OK] to make a selection
Press [BACK] to DVD-1

Test items are basically the same for both DVDs and CDs.

Status: "Focus Close (during normal conditions)."

- [1] Adjusts tracking balance (proceeds to servo test 3-0).
- [2] Performs a focus jump operation.
- [3] Moves the carriage (external). The carriage transition operation will then be stopped.
- [4] Moves the carriage (internal). The carriage transition operation will then be stopped.
- [BACK] Returns to the DVD test menu screen display.
- * This operation will not be performed until the coefficient figures have been received.

[X-3016 DVD 2-Layer Servo. Test(3-0)]

[X-3016 DVD 2-Layer Servo.Test(3-0)]
Status: Focus Closed2 Data: 3000 0000

[1] Tracking Close
[2] CRG + (Start/Stop) [3] CRG - (Start/Stop)

T.Bal(Layer 0): 0000 0000
T.Bal(Layer 1): 0000 0000
TE Normal(Layer 0): 0000 0000
TE Normal(Layer 1): 0000 0000

Press [OK] to make a selection
Press [BACK] to DVD-1

Test items are basically the same for both DVDs and CDs.

Status: "Focus Close 2 (during normal conditions)."

- [1] Performs tracking close operation (proceeds to servo test 4-0).
- [3] Moves the carriage (external). The carriage transition operation will then be stopped.
- [4] Moves the carriage (internal). The carriage transition operation will then be stopped.
- [BACK] Returns to the DVD test menu screen display.

* This operation will not be performed until the coefficient figures have been received.

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[X-3016 DVD 2-Layer Servo.Test(4-0)]
Status :Tracking Close Data : 4000 0000

[1] Error Rate...1.105E-4 [2] Read Speed: x1.3 CLV
[3] Track Jump+ [4] Track Jump-
[5] Focus Jump [6] ID Search
[7] Tracking Open (to Focus Close)

F.Bal(0) : 0000 0000 F.Gain(0) : 0000 0000
F.Bal(1) : 0000 0000 F.Gain(1) : 0000 0000
T.Gain(0) : 0000 0000 AS Normal(0) : 0000 0000
T.Gain(1) : 0000 0000 AS Normal(1) : 0000 0000

Press [OK] to make a selection
Press [BACK] - DVD-1
```

Test items are basically the same for both DVDs and CDs.

Status: "Tracking Close (during normal conditions)."

- [1] [OK] triggers measurement of the error rates (other operations can not be performed for approximately 10 seconds.
- [2] [OK] triggers switching of the reproduction speed.
- [3] Performs track jumping by a designated number of tracks (external).
- [4] Performs track jumping by a designated number of tracks (internal).
- [5] Performs a focus jump operation (for DVDs only).
- [6] Designates an ID (for DVDs only).
- [7] Performs a tracking open operation (for the focus close status: will proceed to servo test 2-0).
- [BACK] Returns to the DVD test menu screen display.
- * This operation will not be performed until the coefficient figures have been received.

Reproduction speeds

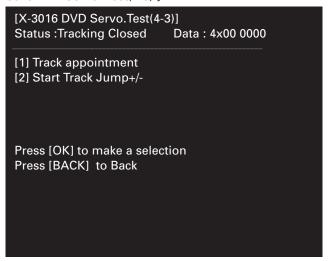
 L0-layer
 DVD x 1.3CLV, CD x 2
 4000 0000

 L0-layer
 DVD x 1CLV
 4200 0000

 L1-layer
 DVD x 1.3CLV
 4100 0000

 L1-layer
 DVD x 1CLV
 4300 0000

[X-3016 DVD Servo. Test(4-3)]



Test items are basically the same for both DVDs and CDs.

Status: "Tracking Close (during normal conditions)."

- [1] Performs a track number designation (MS3 cyclically switches the available patterns).
- [2] Starts the tracking jump operation (will proceed to servo test 4-0).

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[X-3016 DVD Servo. Test(4-6)]

[X-3016 DVD Servo.Test(4-6)]
Status:Tracking Close Data: 4A00 0000

[1] ID appointment: 0000 0000
[2] cursor right
[3] cursor left
[4] cursor up
[5] cursor down
[6] Start ID Search

Press [OK] to make a selection
Press [BACK] to Back

Available for DVDs only.

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Status: "Tracking Close (during normal conditions)."

- [1] Displays designated ID.
- [2] Moves the cursor to the right by one increment.
- [3] Moves the cursor to the left by one increment.
- [4] Moves the cursor up by one increment.
- [5] Moves the cursor down by one increment.
- [6] Starts the ID search operation (return to servo test 4-0).

Display data of adjustment value

FE Offset	FE offset coefficient	0000 0000[h] - FFFF FFFF[h]
TE Offset	TE offset coefficient	0000 0000[h] - FFFF FFFF[h]
AS Offset	AS offset coefficient	0000 0000[h] - FFFF FFFF[h]
ENV Offset	ENV offset coefficient	0000 0000[h] - FFFF FFFF[h]
TG Offset	TG offset coefficient	0000 0000[h] - FFFF FFFF[h]
DBAL	DBAL offset coefficient	0000 0000[h] - FFFF FFFF[h]
FE MAX	FE MAX level	0000 0000[h] - FFFF FFFF[h]
FE MIN	FE MIN level	0000 0000[h] - FFFF FFFF[h]
AS MAX	AS MAX level	0000 0000[h] - FFFF FFFF[h]
ENV MAX	ENV MAX level	0000 0000[h] - FFFF FFFF[h]
FE Normal	FE normalize coefficient	0000 0000[h] - FFFF FFFF[h]
S.Gain	Spindle gain coefficient	0000 0000[h] - FFFF FFFF[h]
T.Bal (layer-0)	TBAL coefficient (layer-0)	0000 0000[h] - FFFF FFFF[h]
T.Bal (layer-1)	TBAL coefficient (layer-1)	0000 0000[h] - FFFF FFFF[h]
G.Bal (layer-0)	GBAL coefficient (layer-0)	0000 0000[h] - FFFF FFFF[h]
G.Bal (layer-1)	GBAL coefficient (layer-1)	0000 0000[h] - FFFF FFFF[h]
TE Normal (layer-0)	TE normalize coefficient (layer-0)	0000 0000[h] - FFFF FFFF[h]
TE Normal (layer-1)	TE normalize coefficient (layer-1)	0000 0000[h] - FFFF FFFF[h]
F.Bal (layer-0)	FBAL coefficient (layer-0)	0000 0000[h] - FFFF FFFF[h]
F.Bal (layer-1)	FBAL coefficient (layer-1)	0000 0000[h] - FFFF FFFF[h]
F.Gain (layer-0)	Focus gain coefficient (layer-0)	0000 0000[h] - FFFF FFFF[h]
F.Gain (layer-1)	Focus gain coefficient (layer-1)	0000 0000[h] - FFFF FFFF[h]
T.Gain (layer-0)	Tracking gain coefficient (layer-0)	0000 0000[h] - FFFF FFFF[h]
T.Gain (layer-1)	Tracking gain coefficient (layer-1)	0000 0000[h] - FFFF FFFF[h]
AS Normal (layer-0)	AS normalize adjustment value (layer-0)	0000 0000[h] - FFFF FFFF[h]
AS Normal (layer-1)	AS normalize adjustment value (layer-1)	0000 0000[h] - FFFF FFFF[h]

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6.8 USING THE TEST DISC

TEST DISC Part No.: GGV1137

REMOTE CONTROLLER Part No.

Part No.	Description
CXB7427	Co-packed remote controller with AVIC-8DVD/EW
CXB7426	Co-packed remote controller with AVIC-9DVD/EW, UC
CXB9118	Co-packed remote controller with AVIC-8DVD-2/EW, -9DVD-2/EW, -90DVD/UC
CD-R11	Optional remote controller

1. Start/End

1-1. Start

When the test disc is inserted, the title "NN622/NN623 TEST DISC" will be displayed. If [RETURN] key is pressed while the title is being displayed, the menu screen will be displayed. If no key is pressed, the first screen of the inspection screen for line will be displayed.



1-2. End

No action is taken.

2. Key operation

- In the case of inspection screen for line
- 1. The inspection screen and the menu screen can be switched alternately using the [CR] key on the remote controller.
- 2. The screen will go back to the previous screen by the [†] key on the remote controller.
- 3. The screen will move forward to the next screen by the [↓] key on the remote controller. (Unless the inspection is finished, the screen will not move forward. The screen will not move forward, too, if there is an NG item.)
- * Refer to the explanation of each screen for the details.
- In the case of service menu screen
- 1. Select an inspection item by the [↑] and [↓] keys on the remote controller, and inspection screen will appear when the [CR] key is pressed.
- 2. When the [RETURN] key on the remote controller is pressed, the screen will go back to the menu screen.
- * Refer to the explanation of each screen for the details.

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Menu screens --- Self Test Menu ---1. External Connection 2. Dual Illumination check Dual Humination Check
 Touch Panel check
 Microphone & Gain control
 Data Communication (Short)
 Data Communication (Open)
 Natural Drawing & Rear View [CR KEY] The selected menu is started. В --- Self Test Menu ---8. VTR In check 9. FM multiplex tuner error 10. GPS Self check 11. Software version display
12. Language Flag setup mode
13. Memory all cleay 14. GPS sensitivity measurement С [CR KEY] The selected menu is started. --- Self Test Menu ---15. Picture RGB check 16. GPS information 17. Sound play18. File Maintenance mode D 19. Picture check 20. Device check(Design engineer only)21. Memory all clear (for Service) [CR KEY] The selected menu is started.

--- Self Test Menu ---22. BackUp Memory clear 23. -----25. -----27. - - - - - - -28. -----[CR KEY] The selected menu is started.

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1. Connection check Illumination signal Parking brake signal ON Reverse gear signal Car speed signal **REV** Gvro LEFT << 42374 Gyro voltage 2.434V OK délta sigma Battery voltage G sensor G sensor voltage delta sigma Remote controller Mic connect [joy stick down] It progresses to the next inspection.

- The status of the item indicated in the above figure will be updated every second.
- Set ANTON port to H when starting the inspection and set to L when ending.
- When the gyro is in operation, a BEEP sound will be made when the G sensor is activated. Right: 500Hz, Left: 700Hz. Up: 800Hz, Down: 600Hz
- Conditions for moving on to the next inspection

Illumination status is changing between ON and OFF.

Parking brake status is changing between ON and OFF.

Reverse status is changing between NOR and REV.

Pulse is changing to a value other than 0/0.

Mic connect status is changing between ON and OFF.

All keys on the main body as listed below have been pressed at least once.

Standard value for other items

GYRO voltage

OK: 2.5±0.15

USABLE: 2.5±0.30

GYRO variation

OK: Less than 30

 G sensor voltage OK: 2.5±0.15

USABLE: 2.5±0.30

• G sensor variation

OK: Less than 60

• Only when all the conditions are met, you can move on to the next inspection by the [\] key on the remote controller. It should be noted, however, that you will not be able to move on to the next inspection if there is an error (background color is red) even if the conditions are met.

<Supplemental explanation regarding error display>

Displayed message	Details of the error
Structural data error	An error when data cannot be received from A/D converter.
	Defective device of the A/D converter seems to be the cause.
	It will also happen in case the vehicle speed pulse cannot be measured. (rare)
No connection to DRAGON	An error when communication with DRAGON cannot be established.
	Communication error due to a hardware problem could be the cause.
	It is highly possible that the hardware on the DRAGON side is defective.
Command error	Time out error for response to BIOS call.
	Communication error due to a hardware problem could be the cause.
	It is highly possible that the hardware on the DRAGON side is defective.
Unknown error	Error due to unknown reason.

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2. Dual Illumination color check

2. Dual Illumination color check

[NAVI] The color of illuminations is changed.
[joy stick down] It progresses to the next inspection.

- Color switching for dual illumination can be made.
- In the case of UC model, this inspection will not be performed, and the system will move on to the next inspection.
- Color is changed to GREEN/LED by the [NAVI] key on the remote controller.
- Move on to the next inspection by the [↓] key on the remote controller.

3. Touch Panel check

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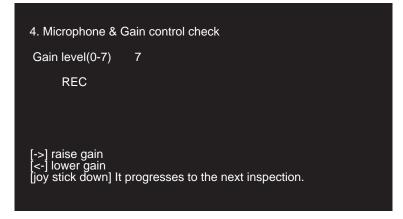
- Touch panel inspection must be performed at 16 locations.
- If the coordinate obtained by pressing the white spot is within the effective range, it will be determined as OK, and the next white spot will be displayed.
- If the coordinate obtained is outside of the effective range, it will be determined as NG.
- If all 16 locations turned out to be OK, then this test is considered to be OK.
- If coordinate cannot be obtained in approximately 5 seconds after the white spot is displayed, the inspection is determined as NG.
- Only if the inspection is OK, the inspection will move on to the next step by the [\ \ \] key on the remote controller.

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- The voice channel is inspected by recording the voice from MIC input (Lch) on a memory, playing back the recorded data and outputting from the SP.
- Recording of MIC input voice and playback of the recorded data is done at every second. ("1 second recording 1 second playback" will be repeated during inspection.) "REC" and "PLAY" will be displayed on the screen during
 recording and play back, respectively.
- Voice channel

MIC voice input → ADC Lch input → ASIC voice block → Data storage (recorded on the memory)
Play back of recorded voice data → ASIC voice block → DAC Lch output → SP output

Operation (remote controller)

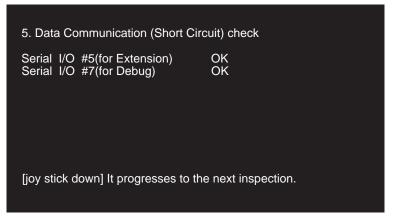
[-]: MIC input gain (PROGGAIN0-2) is lowered.

[→]: MIC input gain (PROGGAIN0-2) is increased.

[NAVI]: Muting of ONSEIMUTE signal is switched between ON and OFF by a toggle switch.

[↓]: Move on to the next inspection.

5. Data Communication (Short Circuit) check (Not for service)



- SIO connection short is checked.
- Loop back check is performed on 5CH and 7CH.
- · Wait screen is displayed until the checking is completed.
- When [RETURN] key on the remote controller is pressed while the inspection result is being displayed on the screen, inspection will be performed once again.
- Only in the case of OK, you can move on to the next inspection by the [↓] key on the remote controller.

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6. Data Communication (Open Circuit) check Serial I/O #5(for Extension) ŌΚ Serial I/O #7(for Debug) [joy stick down] It progresses to the next inspection.

• SIO connection open is checked.

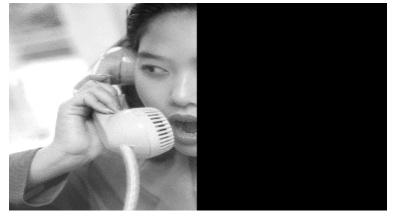
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- Check is performed on 5CH and 7CH.
- Do not connect anything to the terminal. OK will be indicated under "open" condition.
- Wait screen is displayed until the checking is completed.
- · When [RETURN] key on the remote controller is pressed while the inspection result is being displayed on the screen, inspection will be performed once again.
- Only in the case of OK, you can move on to the next inspection by the [\ \ \ \] key on the remote controller.

7. Natural Drawing & Rear View



- Natural image consisting of 256 colors will be drawn on the BG screen.
- ADPCM 1kHz sine wave at the sampling rate of 19kHz will be output for 30 seconds.
- Rear view image will be displayed on the right hand side of the screen.
- GUIDEON terminal will be set to H when entering the screen, and set to L when exiting the screen.
- Volume level can be changed by the [←] and [→] keys on the remote controller. (0 to 9)

[JPEG file name: ZHITO1.JPEG] [Voice file name: A19K01KS.WAV]

• You can move on to the next inspection by the [\ \] key on the remote controller.

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8. VTR check

[joy stick down] It progresses to the next inspection.

- External input image (VTR input image) is displayed and voice is outputted.
- You can move on to the next inspection by the [↓] key on the remote controller.
- 9. FM multiplex tuner error rate measurement

9. FM multiplex tuner error rate mea	asurement	
Push Back key to go to re-ch	heck.	
FM Frequency Frequency to check Blocks Received Correctly Blocks with one bit corrected Blocks with two bits corrected Blocks Received with error [<> to adjust FM frequency] [joy stick down] It progresses to the	87.50 87.50 0500 0000 0000 0000 e next inspection.	

- FM multiplexing error is measured.
- In the case of UC model, this inspection is not performed and the system will move on to the next inspection.
- Default frequency is 87.5MHz.
- When entering this mode for the first time, the result of measurement at the time of test disc boot up will be displayed.
- After the measurement is taken, the frequency can be changed by the [←] and [→] keys.
- 500 blocks will be measured, and if there are 450 or more blocks without error, then it will be determined as OK.
- Only in the case of OK, you can move on to the next inspection by the [\ddagger] key on the remote controller.

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10. GPS Self check

10. GPS Self check

2002/12/12 15:35:23

Using satellites NO.
01 02 03 04 05 06 07 08

Antenna connection

Receiving signal level
Latitude
3D 35 55 47.1
Longitude
139 28 30.0

[joy stick down] It progresses to the next inspection.

- · GPS receiving status will be displayed.
- Conditions to move on to the next inspection.

Antenna connection is OK.

Data is received from one or more satellite.

Time is being displayed.

- When all the conditions are met, the background color will change to blue.
- Only when all the conditions are met, you can move on to the next inspection by the [↓] key on the remote
 controller.

It should be noted, however, that you will not be able to move on to the next inspection if there is an error (background color is red) even if the conditions are met.

<Supplemental explanation regarding error display>

Displayed message	Details of the error
No connection to DRAGON	This is an error when communication with DRAGON is not established.
	Communication error due to a hardware problem could be the cause.
	It is highly possible that the hardware on the DRAGON side is defective.
Command error	Time out error for response to BIOS call.
	Communication error due to a hardware problem could be the cause.
	It is highly possible that the hardware on the DRAGON side is defective.
Invalid data	This is an error when request is made while the data for response is not
	prepared (not obtained from DRAGON).
	Communication error due to a hardware problem could be the cause.
	It is highly possible that the hardware on the DRAGON side is defective.

11. Software version

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11. Software version	
System boot version System OS version Syscon version TV ucom version Monitor ucom version Drive core version Drive apl version GPS program version GPS model HydeAway model Region code	1.00 1.00 6.11 7.06 6.04 9.22 8.21 5.02 03/09/09 3.60 04EW DVD (0x22) 04EW DVD
[joy stick down] It progresses to	the next inspection.

- It indicates the version information of the software.
- As for the "GPS model", it will be considered OK if either "04EW DVD" or "04UC DVD" is displayed.
- As for the "Hide away model", it will be considered OK if either "04EW DVD" or "04UC DVD" is displayed.
- As for the region code, it will be considered OK if "2" is displayed in the case of EW model and if "1" is displayed for UC model.
- When "GPS model", "Hide away model" and "region code" are all OK, you can move on to the next inspection by the [↓] key on the remote controller.

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- When the system enters into this inspection, language selection will be set to the original setting made at the time of shipment (i.e. no setting).
- * The setting is made to display the screen for selecting the language to be used at the initial boot up after the shipment out of the factory.
- The setting is made when the system enters into this inspection.
- You can move on to the next inspection by the [\] key on the remote controller.
- 13. All memory clear (Not for service)

The clearance of SRAM (application domain)
The clearance of FLASH (application domain)
Elimination of a sensor study value

[NAVI] Inspection is performed.

- SRAM (application domain) is cleared.
- FLASH (application domain) is cleared.
- Sensor learning level is cleared.
- If SRAM clear is not successful, FLASH will not be cleared.
- After the inspection screen is displayed, the above process is executed by the [NAVI] key on the remote controller.
- The result of the process is displayed.
- Only when everything is OK, you can move on to the next inspection by the [↓] key on the remote controller.

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14. GPS sensitivity measurement

14. GPS sensitivity measurement
Satellite NO. 3 [<- -> to select satellite]
CH. Look SNR(AMU) SNR(dB)
1 OK 12.3 23.4
2 OK 12.3 23.4
3 OK 12.3 23.4
4 OK 12.3 23.4
5 OK 12.3 23.4
6 OK 12.3 23.4
6 OK 12.3 23.4
6 OK 12.3 23.4
7 OK 12.3 23.4
7 OK 12.3 23.4
7 OK 12.3 23.4
8 OK 12.3 23.4
ALL OK Sensitivity: 20.4(db)
DoppRMS: 1.78(Hz)
[joy stick down] Raw work inspection is ended.

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- GPS can be changed by the [←] and [→] keys on the remote controller.
- Sensitivity of the selected GPS is displayed by the [RETURN] key on the remote controller.
- Production engineering inspection is ended and service menu is displayed by the [↓] key on the remote controller.

<Supplemental explanation regarding error display>

Displayed message	Details of the error
No connection to DRAGON	This is an error when communication with DRAGON is not established.
	Communication error due to a hardware problem could be the cause.
	It is highly possible that the hardware on the DRAGON side is defective.
Command error	Time out error for response to BIOS call.
	Communication error due to a hardware problem could be the cause.
	It is highly possible that the hardware on the DRAGON side is defective.

15. Picture RGB check

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- RGB bridge is inspected.
- The screen can be switched by the [←] and [→] keys on the remote controller.
- RGB is drawn in the pattern of R 100% \rightarrow R 50% \rightarrow G 100% \rightarrow B 50%.
- Total of 6 screens will be displayed.

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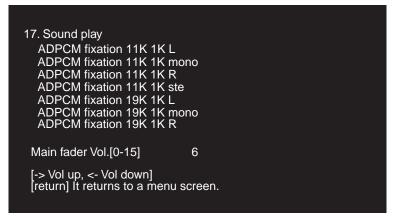
3

16. GPS information

26	10 119 39 3.0 UY 3 -2249 28 26 25 60 4.9 UYC- 2 -1051 34 18 310 25 0.0m f +0 124 23 305 33 0.0m f +0 218	96
18 310 25 0.0m f +0 12487 23 305 33 0.0m f +0 21812 17 317 49 0.0m f +0 21812 9 196 56 0.0m f +0 21812 14 260 73 0.0m f +0 5994	18 310 25 0.0m f +0 122 23 305 33 0.0m f +0 218	
23 305 33 0.0m f +0 21812 17 317 49 0.0m f +0 21812 9 196 56 0.0m f +0 21812 14 260 73 0.0m f +0 5994	23 305 33 0.0m f +0 218	87
17 317 49 0.0m f +0 21812 9 196 56 0.0m f +0 21812 14 260 73 0.0m f +0 5994		7 1
9 196 56 0.0m f +0 21812 14 260 73 0.0m f +0 5994	17 317 19 00m f ±0 218	
14 260 73 0.0m f +0 5994		
4 142 81 0.0m 3 +0 5994	4 142 81 0.0m 3 +0 59	94

- "Position information" will be displayed when the cursor is at the "Position" position and the [CR] key is pressed on the remote controller.
- "Status information" will be displayed when the cursor is at the "Sv Stat" position and the [CR] key is pressed on the remote controller.
- "Diagnosis information" will be displayed when the cursor is at the "Ver&Diag" position and the [CR] key is pressed on the remote controller.
- "Error information" will be displayed when the cursor is at the "Err Info" position and the [CR] key is pressed on the remote controller.
- · When an inspection is performed, "status information" (the screen shown above) will be displayed first.

17. Sound play



- Voice file (WAVE format) will be played back.
- The voice selected by the [CR] key on the remote controller will be played back.
- Volume level can be changed by the [←] and [→] keys on the remote controller.

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• File can be copied, deleted or dumped. Refer to HELP for "how to use" each function.

19. Picture check MENU

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19. Picture check MENU 1/2

1. Plane
2. Color Bar
3. Cross Hatch
4. Sweep
5. Step
6. Ramp
7. Window
8. Mono Scope
9. Vertical Resolution Column

[Push OK to make a selection]
[return] It returns to a menu screen.

A pattern is selected by the $[\uparrow]$ and $[\downarrow]$ keys and an image is displayed by the [CR] key.

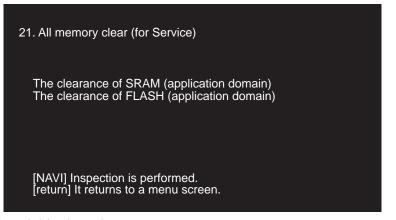
- Plair
 - ...Display is made in the order of black, blue, red, pink, green, light blue, yellow and white by the $[\leftarrow]$ and $[\rightarrow]$ keys operation on the remote controller.
- Color bar
- ...White, yellow, light blue, green, pink, red, blue, black bars will be displayed from left to right.
- 3. Cross hatch
- 4. Sweep
- 5. Step
- 6. Lamp
- 7. Window
- 8. Mono scope
- 9. Cycle line 1
- 10. Cycle line 2
- 11. Horizontal stripe 1
- 12. Horizontal stripe 2
- 13. Chinese character pattern
- 14. Map (map.jpg)
- 15. Natural image (nature.jpg)
- 16. Portrait 1 (hito1.jpg)
- 17. Portrait 2 (hito2.jpg)

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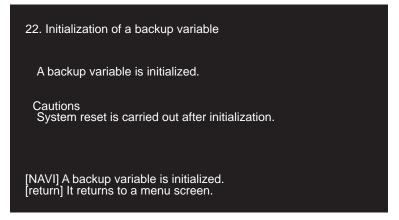
- The above devices will be inspected for engineering purpose.
- A device is selected by the [↑] and [↓] keys on the remote controller, and cleared by the [CR] key.
- On each device screen, a pattern is selected by the [↑] and [↓] keys on the remote controller, and inspection is started by the [CR] key on the remote controller.

21. All memory clear (for Service)



- SRAM (application domain) is cleared.
- FLASH (application domain) is cleared.
- If SRAM clear is not successful, FLASH will not be cleared.
- After the inspection screen is displayed, the above process is executed by the [NAVI] key on the remote controller.
- The result of the process is displayed.

22. Initialization of a backup variable



- · Back up variables are initialized by the [NAVI] key on the remote controller for system reset.
- The screen will return to the menu screen by the [RETURN] key on the remote controller.

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7. GENERAL INFORMATION

7.1 DIAGNOSIS

7.1.1 DISASSEMBLY

Removing the Grille Assy (Fig.1)



Remove the two screws and then remove the Holder.

Disconnect the connector.



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Remove the two screws and then remove the Grille Assy.

Removing the Case



Remove the five screws.(Fig.1)



Remove the screw and then remove the Case.(Fig.1)

Note) Inside the product there is a flexible substrate that connects the Case and the Bracket. Be very careful and do not give it a strong pull when removing the Case, otherwise it may be torn.



Remove the four screws. (Fig.2)

Disconnect the connector and then remove the Bracket. (Fig.2)
Remove the Case.(Fig.1)

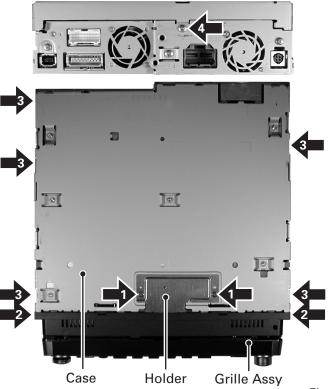


Fig.1

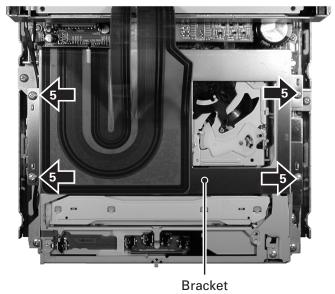


Fig.2

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AVIC-N2/XU/UC

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Removing the DVD Mechanism Module (Fig.3)



Remove the four screws.

Disconnect the connector and then remove the DVD Mechanism Module.

● Removing the Relay PCB (Fig.3)

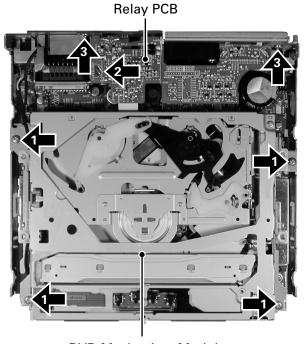


Straighten the tab at location indicated.



Remove the two screws.

Disconnect the connector and then remove the Relay PCB.



DVD Mechanism Module

Fig.3

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Removing the CC Unit (Fig.4)



Remove the screw.

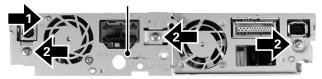


Remove the three screws and then remove the Bracket.



Remove the six screws and then remove the CC Unit.

Bracket



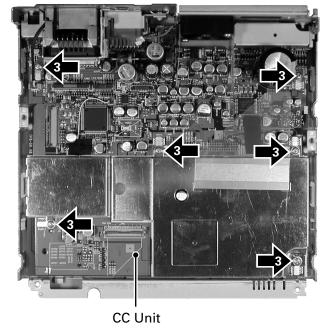


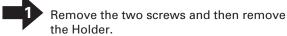
Fig.4

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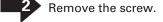
7

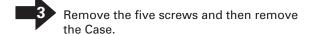
•

■ Removing the Case (Fig.5)









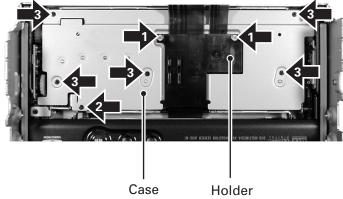


Fig.5

Removing the Display Assy (Fig.6)

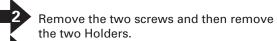


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Disconnect the connector and then remove the Motor Unit.





Note) When reassembling, hold the switch down with tweezers or the like and put the Display Assy back to the Chassis. Otherwise, the switch may be damaged and not function properly.

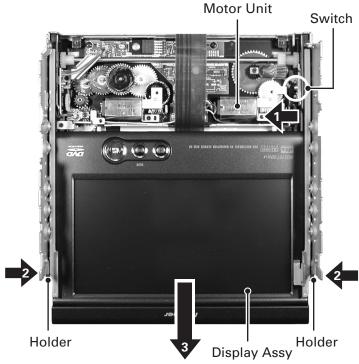
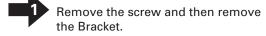
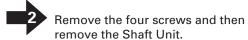
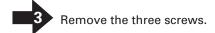


Fig.6

■ Removing the Main Unit (Fig.7)







Disconnect the connector and then remove the Main Unit.

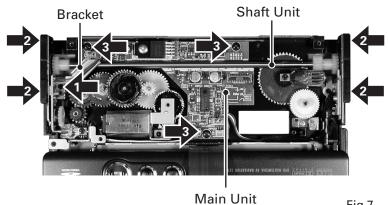
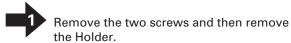
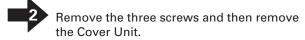
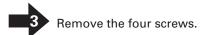


Fig.7

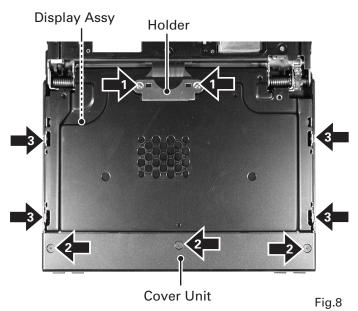
AVIC-N2/XU/UC



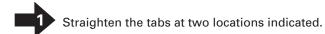


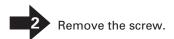


Disconnect the connector and then remove the Display Assy.

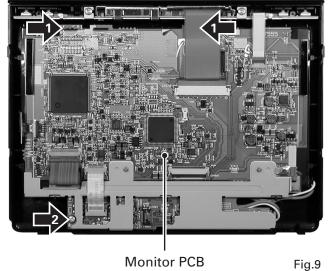


Removing the Monitor PCB (Fig.9)





Disconnect the connector and then remove the Monitor PCB.



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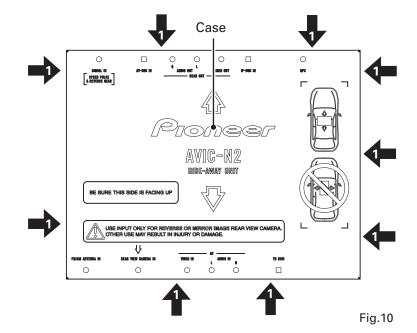
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■ Removing the Case (Fig.10)

Remove the nine screws and then remove the Case.



Removing the Mother Tuner Unit (Fig.11)



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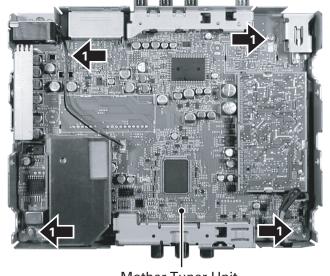
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Disconnect the connector and then remove the Mother Tuner Unit.



Mother Tuner Unit

Fig.11

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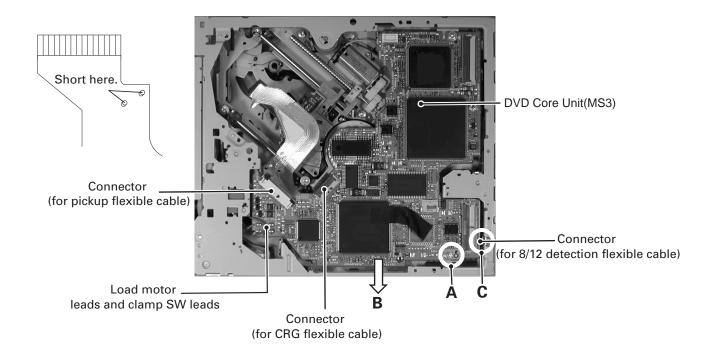
3

- 1. Hold the upper and main frames.
- 2. Do not hold the front portion of the upper frame. It is a delicate part.
- 3. Do not touch the switches on the top panel.
- 4. Be careful not to catch the flexible cables.



Removing the DVD Core Unit(MS3)

- 1. Set the mechanism to the lock position (disc load standby position).
- 2. Place the mechanism module upside down.
- 3. Short the two lands on the pickup flexible cable as shown below.
- 4. Be sure to disconnect the pickup flexible cable and the CRG flexible cable from the connectors to protect them from damages.
- 5. Remove solder from the load motor leads and clamp SW leads.
- 6. Loosen the two fixing screws. Lift the position A of the DVD Core Unit lightly and move it in the direction B to remove it. Be careful not to damage the flexible cable C.
- 7. Disconnect the 8/12 detection flexible-cable from the connector.



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Removing the Pickup Unit

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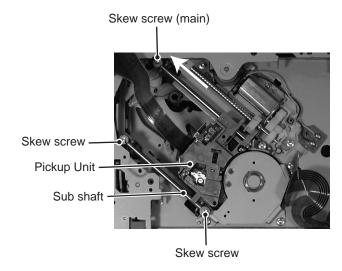
- 1. Remove the module pc board in accordance with the procedure of "Removing the module pc board."
- 2. While holding the pickup case, remove the Skew screw (main).
- 3. Lifting the end of the pickup rack, slide the main shaft, and remove the Pickup Unit.

Replacing the pickup unit requires the skew adjustment.

Remove glue from both ends of the main and sub shafts, and skew stud.

Do not reuse the old skew screw. Be sure to use a brand-new skew screw supplied with a new Pickup Unit.

Fix the skew screw with Screw lock (GYL1001) after adjustment.

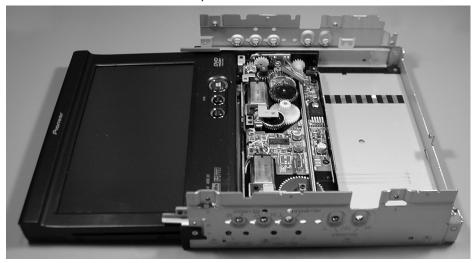


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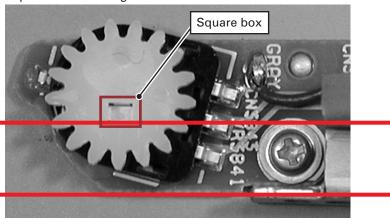
AVIC-N2/XU/UC

When install the Volume Unit, adjust the positioning of the rotating angle of the gear.

1. Set the Monitor Unit horizontally with the Main Unit of the Drive Unit.

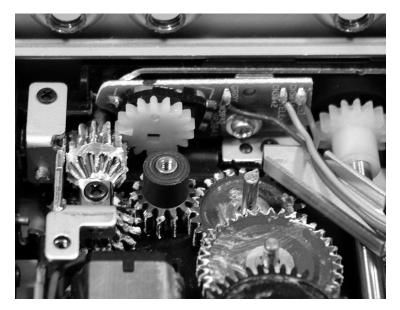


2. When install the gear unit, rotate the gear by hand until the square box of the gear keeps in a horizontal position like the figure below.



*Gap of one teeth is acceptable.

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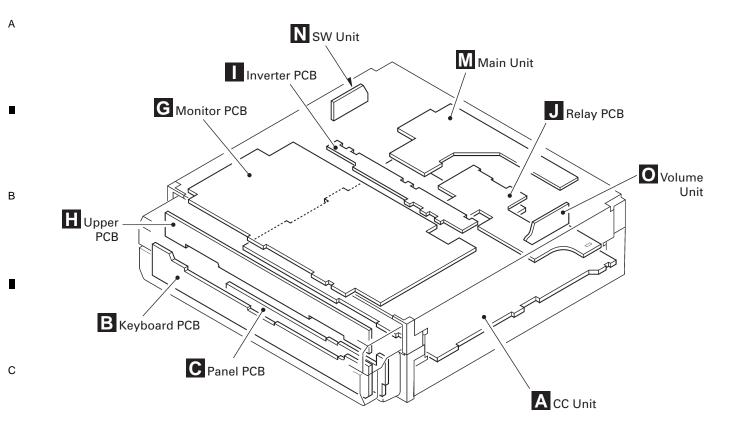
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С

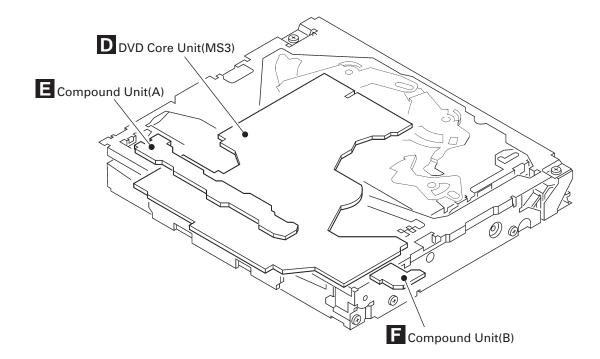
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7.1.2 PCB LOCATIONS



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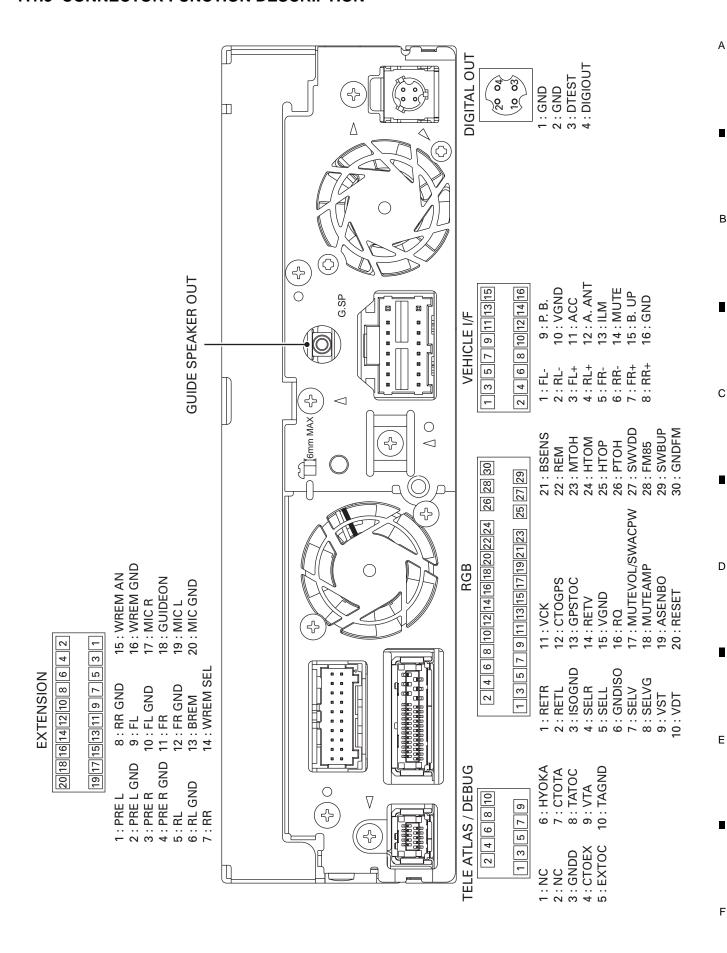
270

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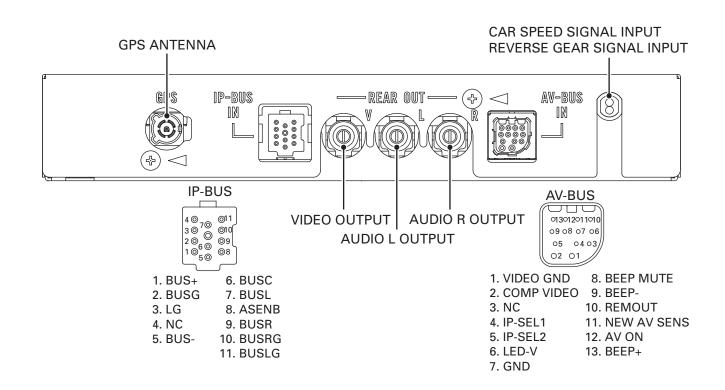
AVIC-N2/XU/UC

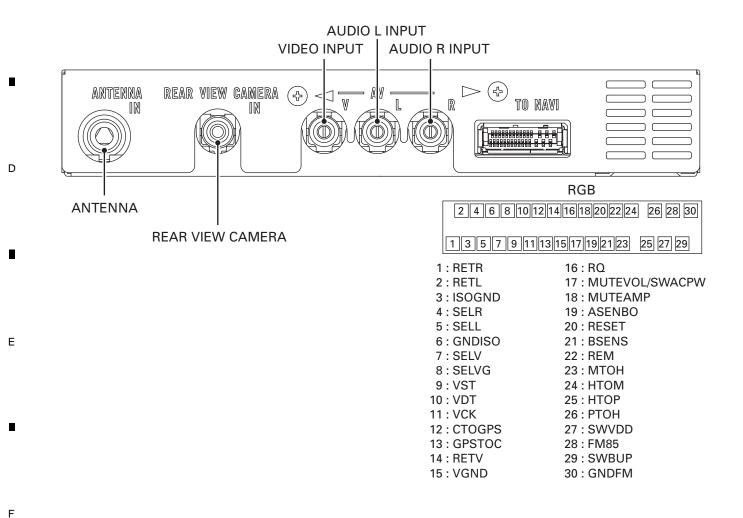
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7.1.3 CONNECTOR FUNCTION DESCRIPTION



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7.2 PARTS 7.2.1 IC

AK4351VT AK5381VT HY57V561620CLT-H K4S561632E-TL75 PEH005A(UC model) PEH003A(EW model) PEH006A(UC model) PEH004A(EW model)

5

MB86291APFVS-G-DL S-L2980A33MC-C6S NJM2561F1 PD6336C PD5937A PD3390A LC72720YVS(EW model)

6

SBX3050-01 PD6473A(UC model) PD6472A(EW model) PD6340A PE5413B S-80835CNNB-B8U SI6544DQ TK15404AMI

7

S-93C46BR0I-J8T1 R1224N102H HA12240FP S-L2980A50MC-C7J S-812C33AMC-C2N PE5412B(UC model) PE5411B(EW model)

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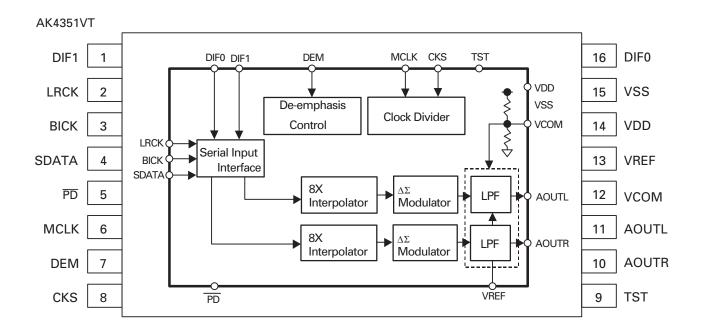
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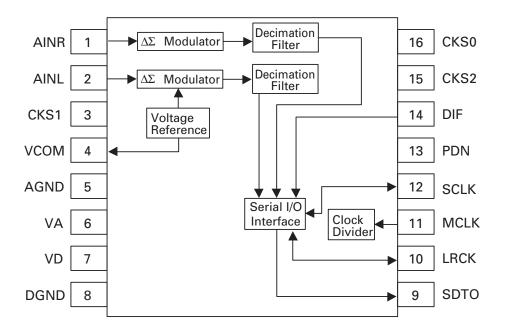
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AK5381VT

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IC's marked by * are MOS type.

Be careful in handling them because they are very liable to be damaged by electrostatic induction.

* HY57V561620CLT-H

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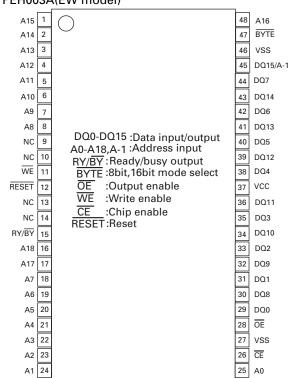
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VDD1 1 54 VSS3 DQ0 2 53 DQ15 VDDQ1 3 52 VSSQ4 DQ1 4 51 DQ14 DQ2 5 A0-A11: Address input 50 DQ13 BA0-BA1 : Bank select address VSSQ1 6 49 VDDQ4 DQ0-DQ15 : Data input/output CLK: Clock input DQ3 7 48 DQ12 CKE: Clock enable DQ4 8 47 DQ11 CS: Chip select RAS: Row address strobe VDDQ2 9 46 VSSQ3 CAS: Column address strobe DQ5 10 WE: Write enable LDQM: Lower DQ mask enable 45 DQ10 DQ6 11 44 DQ9 UDQM : Upper DQ mask enable VDD : Power supply VSS : GND VSSQ2 12 43 VDDQ3 DQ7 13 VDDQ: Data output power supply VSSQ: Data output GND NC: Not used 42 DQ8 VDD2 14 41 VSS2 LDQM 15 40 NC WE 16 39 UDQM CAS 17 38 CLK RAS 18 37 CKE CS 19 36 NC BA0 20 35 A11 BA1 21 34 A9 A10/AP 22 33 A8 A0 23 32 A7 A1 24 31 A6 A2 25 30 A5 A3 26 29 A4 VDD3 27 28 VSS1

* K4S561632E-TL75

40001	0321	L-1L/3	
VDD	1	0	54 VSS
DQ0	2		53 DQ15
VDDQ	3		52 VSSQ
DQ1	4		51 DQ14
DQ2	5	A0-A11 : Address input BA0-BA1 : Bank select address	50 DQ13
VSSQ	6	DQ0-DQ15 : Data input/output	49 VDDQ
DQ3	7	CLK : Clock input CKE : Clock enable	48 DQ12
DQ4	8	CS: Chip select	47 DQ11
VDDQ	9	RAS: Row address strobe CAS: Column address strobe	46 VSSQ
DQ5	10	WE : Write enable LDQM : Lower DQ mask enable	45 DQ10
DQ6	11	UDQM : Upper DQ mask enable	44 DQ9
VSSQ	12	VDD : Power supply VSS : GND	43 VDDQ
DQ7	13	VDDQ : Data output power supply	42 DQ8
VDD	14	VSSQ : Data output GND NC : Not used	41 VSS
LDQM	15		40 NC
WE	16		39 UDQM
CAS	17		38 CLK
RAS	18		37 CKE
CS	19		36 NC
BA0	20		35 A11
BA1	21		34 A9
A10/AP	22		33 A8
A0	23		32 A7
A1	24		31 A6
A2	25		30 A5
А3	26		29 A4
VDD	27		28 VSS
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- * PEH005A(UC model)
- * PEH003A(EW model)



- * PEH006A(UC model)
- * PEH004A(EW model)

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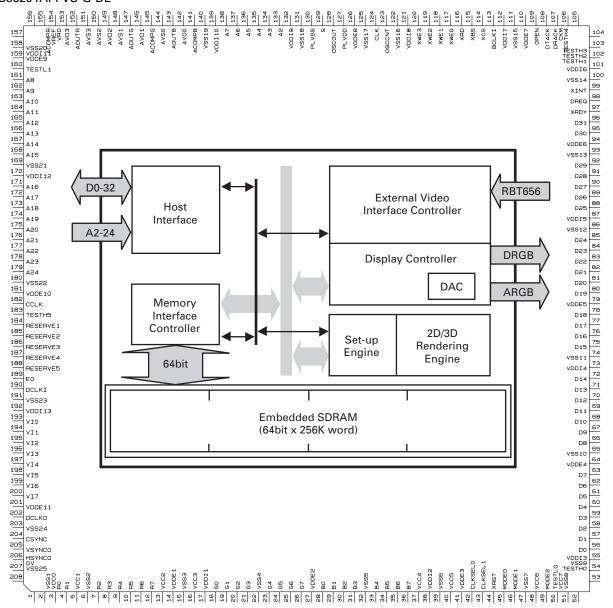
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* MB86291APFVS-G-DL

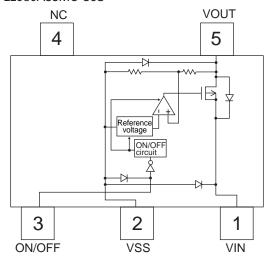
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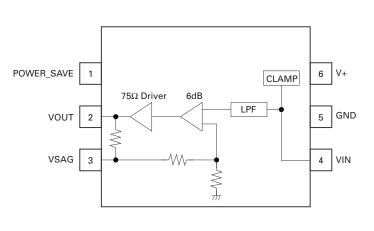
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* S-L2980A33MC-C6S

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* PD6336C Pin Arrangement Chart CD_DATA PIO 16 PIO 12 PI06 PI04 CD_BLK ADC_GCNT0 ADC_GCNT1 PC_XREG PC A0 TEST2 P1017 P1015 PI013 P105 A10 P107 A8 CD_MCLK PC_READY PC_RESET PC_WXT PC BVD2 PC_XCD2 PC_XCE1 PC_XCE2 PC XVS1 PC_XUBUF PC_XWE OVSS2 PC_WP A12 **A**3 Α7 Α9 A5 PC_BVD1 PC_XVS2 PC_XCD1 PC_XLBUF PC XOE VPDP VDD VDD D31 VDD VDD VSS VSS VDD A11 VSS VSS VSS CD_LRCLK DSP_ATTCNT ATA_DA2 | ATA_XCS1 | PC_XPWR ATA_DD11 UART_XRI ATA_DD15 UART1_XDTR ATA_DIR D30 VSS VDD DSP_XRS TEST1 D29 D28 OVDD2 OVDD1 OVSS5 VDD D27 VDD XCS_SRAMH ATA_DD7 ATA_DD8 ATA_DD9 ATA_DD12 ATA_DD13 UART1_XCTS UART_XDSR PIO_OUT D26 D25 DSP_BCLKO D23 VSS D24 VSS DSP_BFSO ATA_DD6 ATA_XRESET UART_XDCD DSP_BDO ATA_DD10 0VSS1 D22 D21 CPU_CLK 988/0 D20 D19 VDD VDD **TOP VEIW TOP VEIW** DSP_XHINT DSP_HRDY A23 D18 VDD D17 UART3_RXD ATA_DD2 UART1_RXD ATA_DD3 ATA_DD4 UART2_TXD UART2_RXD UART1_TXD ATA_DD5 PI023 D16 D15 DSP_BFSI D14 D13 VSS DSP_BDI ATA_DD0 XCS_DSP ATA_DD1 D12 D11 ATA_DMARQ XRESET ATA_XDIOW OVDD3 D10 ΛDD D3 UART5_RXD UART5_TXD UART4_TXD UART3_TXD ATA_IORDY PI022 **0VSS7** D8 D7 UART4_RXD ATA_XDMACK P1024 VDD D6 D2 ATA_INT UART6_RXD OVSS0 XLUBEN VDD ΛDD VDD XCS5 VSS VSS VDD INT VSS VSS D3 S NC ATA_DA1 XLLBEN DREQ0 DREQ1 XBCYST XIORD XCS2 XCS3 INT3 INT2 INT0 SC D2 NC NC USBPWREN UART8_TXD UART8_RXD UART7_TXD UART7_RXD UART6_TXD XCS FLASH XWR SRAM SRAM CSSEL XREADY GDC_WT XIOWR PI027 XMRD PI030 XCS6 XTST SMCK XSM SC NC SC XCS_SRAM UVD2M UVD1M UVD2P USB_CLK TEST0 EXTAL0 UVD1P P1031 XTAL0 VSS IR_RX MST AVIC-N2/XU/UC 2 1

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Block Diagram Chart

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ASIC INT CPU I/F BLOCK A2-A11,A23 **AUDIO BLOCK** D0-D31 ASIC_CLK CPU_CLK **XRESET XBCYST XRESET** A7-A2 XCS2(SRAM) DMA CD-ROM BLOCK XCS3(ASIC) **TOP SECTION** XCS5(PCCARD) XCS6(DSP) XIOWR WExx **XIORD** PERI BLOCK XMWR **RExx** (SIO,PIO, XMRD CPU REMOTE CONTROL) XLLBEN **XLUBEN** DMAxx DMARQ0 ATAPI BLOCK DMA CHANNEL DMARQ1 WAIT SELECT SECTION DMARQ2 WTxx **XREADY** WAIT CONTROL SECTION PC-CARD BLOCK INTP0 **INTERRUPT** INTP1 INTxx CONTROL INTP2 SECTION INTP3 SOUND BLOCK SRAM_CSSEL XCS_SRAM **PROTECT** XCS_SRAMH and XCS_FLASH CHIP SELECT **GENERATOR** XCS_DSP SECTION **USB BLOCK** XWR_SRAM TIMER SECTION

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●Pin Functions(PD5937A)

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Pin No.	Pin Name	I/O	Function and Operation		
1	ARMSW	0	LED light output		
	NFANCNT	0	CC Unit Fan motor control output		
3	AFANCNT	0	Power amplifier IC Fan motor control output		
4	ILMPWR	0	Illumination ON output		
5	REAON	0	Illumination CN output Illumination color select output, when the rear monitor is ON (H : Green, L : Ambe		
	CNVSS	Ÿ	Connect to GND		
6	DISC	- 1			
7		<u> </u>	Disc detect input		
8	EJECT	<u> </u>	Disc eject input		
9	RESET	1	Reset input		
10	XOUT	0	Crystal oscillator connection pin		
	GND		GND		
12	XIN	l	Crystal oscillator connection pin		
13	VDD		VDD		
14	INT	ı	Connect to VDD		
15	BSENS		Backup sense input		
16	ASENS	ı	ACC sense input		
17	FDSEN	l	Grille detach sense input		
18	RST3	0	Navigation control reset output		
19	AUPW	0	Audio power supply control output		
20		0	Navigation control DRAMPW output		
21	BEEP	0	BEEP output		
22	RXN	I	Data input from Navigation (UART)		
23	TXIN	0	Data output to Navigation (UART)		
24	TSO	0	Data output to Hideaway Unit (UART)		
25	TSI	I	Data input from Hideaway Unit (UART)		
26	TSCK	- 1	Test program clock input		
27	BUSY		Not used		
28		0	Navigation control CCON output		
29	XCCSTB	ī	Stand-by OK of the CC Unit input		
30	CPUWDT	i	Watch dog timer input		
31		0	Navigation control IRQPW output		
32	RSTOUT	0	Navigation control RSTOUT output		
33	MUTEPE		Not used		
34	MUTNS	0	Mute output at the time of MIX		
35	SELL	0	Navigation voice Lch MIX control output		
36	SELR	0			
	VFSEL	0	Navigation voice Rch MIX control output Front monitor source select output (H : Hideaway Unit, L : MS3)		
		0	Rear monitor source select output (H : Hideaway Unit, L : MS3)		
39	VSEL3		Not used		
40	DATA		Not used		
41	CLK		Not used		
42	CS		Not used		
43	AMPSTB	0	Amplifier stand-by output		
44		0	Illumination color select output (H : Amber, L : Green)		
45	ILMDIM	0	Sub display DIM power supply control output		
46	DSENS	<u> </u>	Detach sense input		
47	ILMSENS	<u> </u>	Illumination sense input		
48	PBSENS	I	Parking brake sense input		
49	TELIN	I	TEL mute input		
50	ASENBO	0	ASENS output		
51	MUTESO	0	Mute output		
52	LIFTPUL	I	Lift pulse input		
53	MTRS	0	Flap motor speed control output		
54	MTRPW	0	Flap motor control power supply output		
55	MTR1	0	Flap angle motor control signal output		
56	MTR1	Ō	Flap position motor control signal output		
57	MTRSEL	0	Flap motor control output		
58	ANGLE0SW	Ī	Flap angle 0 sense input		
59	LIFTSW	i	Lift sense input		
60	SENSE5	0	Pulse power supply control output		
	ANTPW	0			
		U	Auto antenna power output		
61		ı	Wired remote control SEL input		
61 62	WCONT	I			
61 62 63	WCONT TESTIN		Test mode input		
61 62	WCONT	 			

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Pin No.	Pin Name	I/O	Function and Operation		
69	NC		Not used		
70	WREMIN	I	Wired remote control AD input		
71	ATEMPI		Not used		
72	ANGLE	I	Flap angle sense input		
73	NTEMPI	I	CC Unit temperature input		
74	NC		Not used		
75	AVSS		A/D GND		
76	NC		Not used		
77	AVREF		A/D converter reference voltage		
78	AVCC		A/D power supply		
79	NC		Not used		
80	MUTEGU	0	TELIN/GUIDE interrupt notice output		

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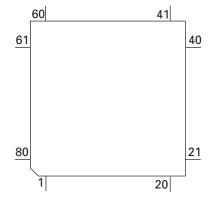
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●Pin Functions(PD3390A)

Pin No. Pin Name I/O Format Function and Operation 1 VCC0 Power supply (3.3V) 2 VSS0 GND 3 TXD2 I/O SIO2 Transmission data input / output 4 RXD2 I/O SIO2 Reception data input / output 5 TXD1 O C SIO1 Transmission data output 6 RXD1 I SIO1 Reception data input 7 TXD0 O C SIO0 Transmission data output 8 RXD0 I SIO0 Reception data input 9 SPEED I SP I/F input 10 ADCSB O C AD I/F output 11 ADSCK O C AD I/F output 12 ADTXD O C AD I/F input 13 ADRXD I AD I/F input 15 ADIO0 I/O AD I/F input / output 15 ADIO0 I/O AD I/F input / output 16 ADIO1 I/O	
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3 TXD2	
4 RXD2 I/O SIO2 Reception data input / output 5 TXD1 O C SIO1 Transmission data output 6 RXD1 I SIO1 Reception data input 7 TXD0 O C SIO0 Transmission data output 8 RXD0 I SIO0 Reception data input 9 SPEED I SP I/F input 10 ADCSB O C AD I/F output 11 ADSCK O C AD I/F output 12 ADTXD O C AD I/F output 13 ADRXD I AD I/F input 14 ADSRX I AD I/F input / output 15 ADIO0 I/O AD I/F input / output 16 ADIO1 I/O AD I/F input / output 17 ADIO2 I/O AD I/F input / output 18 VCC1 Power supply (3.3V) 19 VSS1 GND 20 PWM O PWM signal outpu	
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22 PLCE O C PLL I/F output 23 PLSCK O C PLL I/F output	
23 PLSCK O C PLL I/F output	
24 PLTX O C PLL I/F output	
25 PLRX I PLL I/F input	
26 PLIO0 I/O PLL I/F input / output	
27 PLIO1 I/O PLL I/F input / output	
28 PLIO2 I/O PLL I/F input / output	
29 DDINT I Darc I/F input	
30 DDCE O C Darc I/F output	
31 DDSCK O C Darc I/F output	
32 DDTX O C Darc I/F output	
33 DDRX I Darc I/F input	
34 DDIO0 I/O Darc I/F input / output	
35 DDIO1 I/O Darc I/F input / output	
36 DDIO2 I/O Darc I/F input / output	
38 TIOA1 I/O Parallel input / output	
39 TIOB0 I/O Parallel input / output	
40 TIOB1 I/O Parallel input / output	
41 VCC2 Power supply (3.3V)	
42 VSS2 GND	
43-53 A19-9 I/O Address bus input / output	
54 VCC3 Power supply (3.3V)	
55 VSS3 GND	
56-64 A8-0 I/O Address bus input / output	
65 VCC4 Power supply (3.3V)	
66 VSS4 GND	
67-82 D0-15 I/O Address bus input / output	
83 VCC5 Power supply (3.3V)	
84 VSS5 GND	
85 WRHB I/O Upper data write strobe input / output	
86 WRLB I/O Lower data write strobe input / output	
87 RDB I/O Read data strobe input / output	
88 CS2B I/O Chip select aria 1 for external storage input	ut / output
89 CS0B I/O Chip select aria 0 for ROM input / output	
90 VCC6 Power supply (3.3V)	

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	Pin Name	I/O	Format	
	VSS6			GND
	TEST2			Test mode
	CKOEB			CK output enable input
	CK	0	С	CPU clock output
	CS5B	0	С	DRAM low address strobe output
	CS3B	0	С	DRAM column address strobe output
	CS1B	0	С	DRAM column address upper byte strobe output
	RTCVSS1			Power supply (3.3V)
	SRAMB			Backup memory select input
100	STANBYB	I		Stand by signal input
101	RTCVSS0			GND
102	XRTCIN	I		Sub crystal oscillator input (RTC)
103	XRTCOUT	0	С	Sub crystal oscillator output (RTC)
104	RTCVCC			Power supply (3.3V)
105	PCKSEL0	I		Processor clock select input
	PCKSEL1	I		Processor clock select input
	CCKSEL			CRCK signal select input
	CCKDIR	I/O		Carrier clock direct input / inverter amp output
	CCKVCC	., -		Power supply (3.3V)
	CRCK	ı		Carrier clock input
	CCKGND			GND
112-118		I/O		Parallel input / output
	NMI	, -		Connect to VCC
	RESETB	I		System reset input
	MSTRSTB	i		Test reset input
	TEST0	i		Test mode input
	TEST1	i		Test mode input
	REFSEL	i		GPS reference clock select input
	REFCK	i		Reference clock input
	VCC7			Power supply (3.3V)
	VSS7			GND
	XAUXIN	1		Sub crystal oscillator output input (AUX)
	XAUXOUT	Ö	С	Sub crystal oscillator output (AUX)
130-133		Ī		Parallel input
134-137		I/O		Parallel input / output
	TXD3	I/O		SIO3 Transmission data input / output
	RXD3	I/O		SIO3 Reception data input / output
	BOWWOWB	0	С	Watch dog timer output
	IFDIR	1/0		IF direct input / IF inverter amp output
	IFVCC	1, 0		Power supply (3.3V)
	IF VCC	1		IF input
	IFGND	- i-		IF amp GND input
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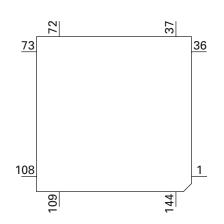
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Format	Meaning
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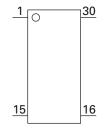
●Pin Functions(LC72720YVS : EW model)

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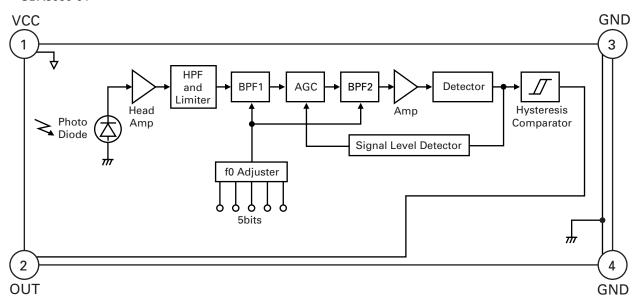
Pin No.	Pin Name	I/O	Function and Operation
1	VREF	0	Reference voltage output
2	MPXIN	I	Base band (multiplexed) signal input
3	Vdda		Analog system power supply (+5V)
4	NC		Not used
5	Vssa		Analog system GND
6	FLOUT	0	Sub carrier output (filter output)
7	CIN	- 1	Sub carrier input (comparator input)
8	NC		Not used
9	T1	_	Test input (connect to GND)
10	T2	- 1	Test input (stand-by control)
11	T3	0	RDS clock output
12	NC		Not used
13	T4	0	RDS data output
14	T5	0	Soft-decision control data output
15	XOUT	0	Crystal oscillator output
16	XIN	_	Crystal oscillator input
17	Vddd		Digital system power supply (+5V)
18	Vssd		Digital system GND
19	NC		Not used
20	T6	0	Error status,regenerated carrier and error block count outputs
21	T7	0	Error correction status, SK detection and error block count outputs
22	SYNC	0	Block synchronization detection output
23	NC		Not used
24	RDS-ID	0	RDS detection output
25	DO	0	Data output
26	CL	I	Clock input
27	NC		Not used
28	DI	I	Data input
29	CE	I	Chip enable input
30	SYR	I	Synchronization and RAM address reset input

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* LC72720YVS(EW model)



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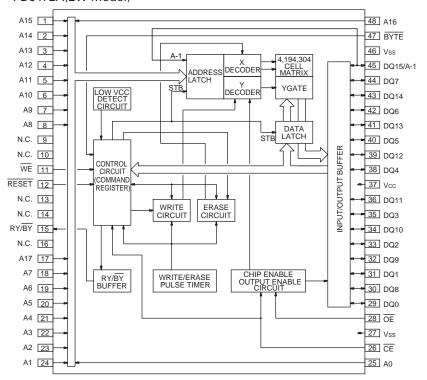
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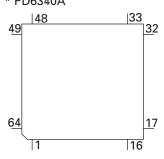
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● Pin Functions (PD6340A)

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Pin No.	Pin Name	I/O	Function and Operation
1-5	SEG4-0	0	LCD segment output
6-9	COM3-0	0	LCD common output
10	VLCD		LCD drive power supply
11-14	KST3-0	0	Key strobe output
15,16	KDT0,1	I	Key data input (analogue input)
17	REM	I	Remote control reception input
18	DPDT	I	Display data input
19	NC		Not used
20	KYDT	0	Key data output
21	MODA		GND
22	XO		Crystal oscillator connection pin
23	XI		Crystal oscillator connection pin
24	VSS		GND
25,26	KDT2,3	I	Key data input
27,28	KST5,4	0	Key strobe output
29-55	SEG39-13	0	LCD segment output
56	VDD		Power supply
57-64	SEG12-5	0	LCD segment output

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●Pin Functions(PE5413B)

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1 PNLADX I Lens sense input 2 LSEN I Lens sense input 3 PNLADY I Y directions analog input 4 AVSS A/D converter GND 5 DIMMER O Dimmer anarog output 6 INVPST_DA O Back light boost signal output (low temperature) 7 AVREF1 D/A converter reference voltage 8 RXD I Data input from system microcomputer (UART) 9 TXD O Back light control output 10 MFLPW O Back light control output 11 LKYDT I Data input from System microcomputer (UART) 12 LDPDT O Data output to LCD micro computer (UART) 13 MVIPW O Pata input from LCD micro computer (UART) 14 LOSDCS O OSD chip select output 15 NC Not used 16 TSI I Test program data input 16 TSI I Test program data input 17 TSO O Test program data input 18 TSCK I Test program data output 19 OVICHK I Back light power supply overcurrent detect input 20 EPRRST I EEPROM case input 21 EPRTEST I EEPROM case input 22 STEST I Monitor operation mode input 22 STEST I Monitor operation mode input 23 STEST I Touch panel test mode input 24 PNLXV O Hiouput is carried out when X directions is detected 25 PNLYV O Hiouput is carried out when Y directions is detected 26 PNLY O Hiouput is carried out when Y directions is detected 27 SDA NC Not used 38 ROMDATA Not used 40 POMCS Not used 41 Not used 41 Not used 42 STEST I Not used 43 ROMDATA Not used 44 REPROM Case A Not used 45 REPROM Case A Not used 46 PREPROM Case A Not used 47 EPRRST I EEPROM mere provided input 48 REPROM Case A Not used 49 POMCS Not used 40 POMCS Not used 41 Not used 41 REPROM Case A Not used 41 REPROM Case A Not used 42 STEST I Not used 43 ROMDATA Not used 44 REPROM Case A Not used 55 REPROM Case A Not used 56 REPROM Case A Not used 57 REPROM Case A Not used 58 ROMDATA Not used 59 REPROM Case A Not used 50 REPROM Case A Not used 51 LEPROM Reproduction of the provided input 52 REPROM Case A Not used 53 LDIMMER Not used 54 LBK O LCD micro computer back light power supply control output 56 REPROM Case A Not used 57 REPROM Case A Not used 58 ROMO REPROM Case A Not used 59 LCDTYPE1 LCD panel type detect input 50 REPROM Case A Not used 51 LEPR		nctions(PE		
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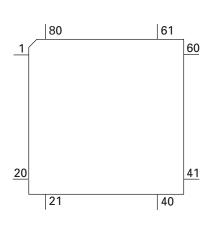
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Pin No.	Pin Name	I/O	Function and Operation
73	XT2		GND
74	VDD0		Power supply
75	AVDD		A/D converter power supply
76	KEY0		Analog key data input 0
77	KEY1		Analog key data input 1
78	KEY2	_	Analog key data input 2
79	NC		Not used
80	TEMPSEN	I	Temperature sense input (back light boost)

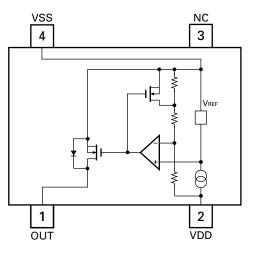
* PE5413B

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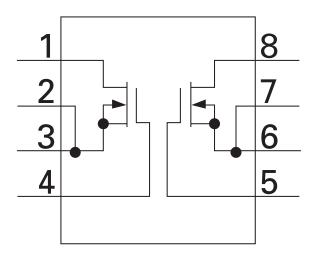
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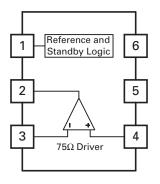
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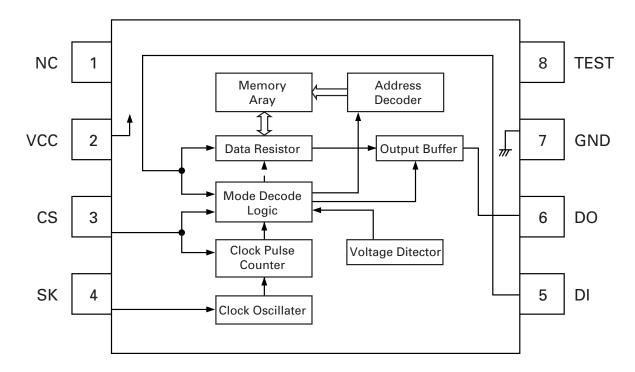
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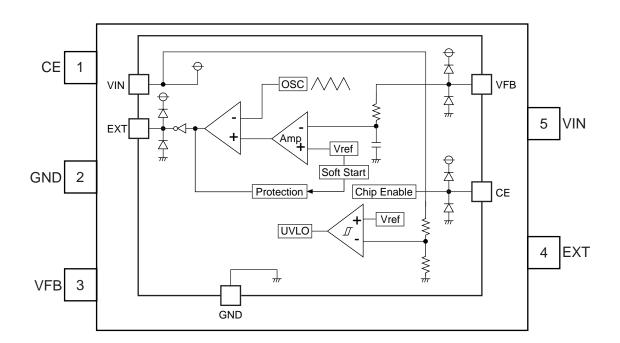
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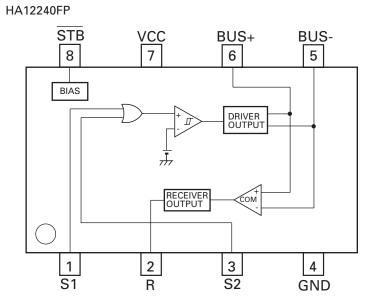
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* R1224N102H



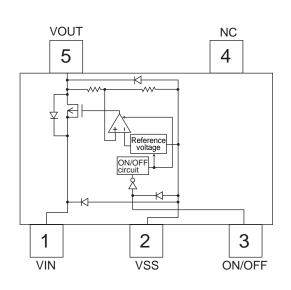
286 AVIC-N2/XU/UC 1 ■ 2



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* S-L2980A50MC-C7J

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* S-812C33AMC-C2N

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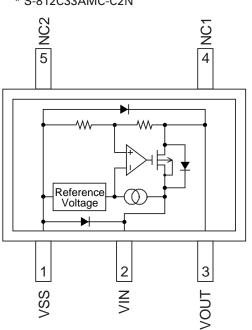
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●Pin Functions(PE5412B : UC model)(PE5411B : EW model)

			Function and Operation
Pin No.	Pin Name	1/0	Function and Operation
1	HTOP	0	UART output to power supply microcomputer
3-5	HFANCONT NC		Not used Not used
	MTOH	- 1	
7	HTOM	0	UART input from monitor microcomputer UART output to monitor microcomputer
8	TSCK		Not used
9	EVDD		Power supply
10	EVSS		GND
11	MUTEAMP	0	Mute output (AMP)
12	ACCPW		Not used
13	SWACPW	0	Monitor microcomputer power supply output
14	HACCPW	Ö	Hide away power supply ON/OFF output
15-17	NC		Not used
18	SWBUPSW		Not used
19	SWVDDSW		Not used
20	HFANON		Not used
21	VPP		VSS
22	VCK	0	E-VOL: Clock output
23	VDT	0	E-VOL : Data output
24	VST	0	E-VOL : Strobe pulse output
25	MUTEVOL	0	E-VOL : Mute output
26	RX	<u> </u>	IP-BUS : Data input
27	TX	0	IP-BUS : Data output
28	IPPW	0	IP-BUS: Driver power supply control output
29	ASENBO	0	IP-BUS : Slave ACC sense output
30	NC		Not used
31	ROMDATA		Not used
32	ROMCLK		Not used
33	ROMCS RESET	-	Not used
	XT2	ı	Reset input
35			Open Dull up
36 37	XT1 REGC		Pull up Memory connection for the regulator stabilization
38	X2		Crystal oscillator connection pin
39	X1		Crystal oscillator connection pin
40	VSS		GND
41	VDD		Power supply
42	PCL		Clock output
43	NC		Not used
44	REVSENS	ı	Reverse signal sense input
45,46	STEST1,2	I	Single operation mode input1,2
47,48	SIMUKE1,2		Not used
49	TESTIN	I	Test mode input
	NC		Not used
	VSELIN1,2	ı	VSEL input1,2
53	AVONIN	I	AV-BUS: AV ON input
54-57	NC		Not used
58	BVDD		Power supply
59	BVSS		GND
60	RECIVE	1	Not used
61	RDSHSLK	l J	RDS : High speed signal input (EW model)
62 63	RDSLK RDT	1	RDS : Signal input (EW model) RDS : Data input (EW model)
64	NC	- 1	Not used
65,66	TUNCE1,2	0	PLL chip enable output1,2
67	NC		Not used
68	HMUTEA	0	Rear voice mute output
69	HMUTEV	0	Rear picture driver stand-by output
70	NC		Not used
71	SCL	I/O	IIC-BUS : Clock input/output
72	SDA	I/O	IIC-BUS : Data input/output
73	AVSELMUTE	., 🤝	Not used
74	AVDD		VDD
75	AVSS		VSS
76	AVREF		Not used
77	TUNSL	Ι	FM/AM tuner : Signal level analog input

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Pin No.	Pin Name	I/O	Function and Operation	
78	TEMP	-, -	Not used	
79-89	NC		Not used	
90	BSENS		Backup sense input	
91	ASENS		ACC sense input	
92	TUNLDET	_	Tuner : PLL lock detect input (EW model)	
93	RDSCK		RDS : Data clock input (EW model)	
94-96	NC		Not used	
97	TUNPDI		FM/AM tuner : PLL data input	
98	TUNPDO	0	FM/AM tuner : PLL data output	
99	TUNCK	0	PLL clock output	
100	PTOH	I	UART input from power supply microcomputer	

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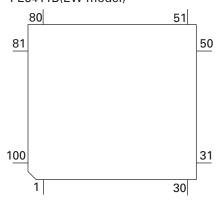
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^{*} PE5412B(UC model) * PE5411B(EW model)

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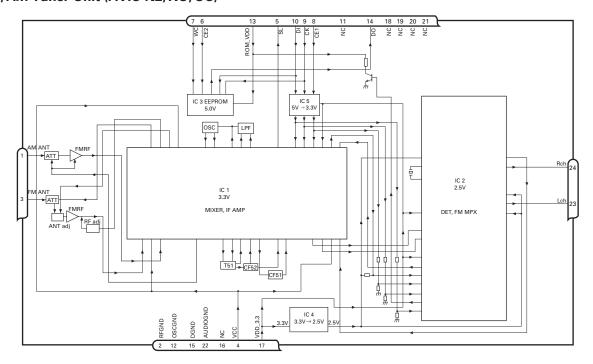
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No.	Symbol	I/O	Explain	
1	AMANT	T	AM antenna input	AM antenna input high impedance AMANT pin is connected with
			,	an all antenna by way of 4.7μH. (LAU type inductor) A series circuit
				including an inductor and a resistor is connected with RF ground for
				the countermeasure against the hum of power transmission line.
2	RFGND		RF ground	Ground of antenna block
3	FMANT	ı	FM antenna input	Input of FM antenna 75 Ω Surge absorber(DSP-201M-S00B) is necessary.
4	VCC		power supply	The power supply for analog block. D.C $8.4V \pm 0.3V$
5	SL	0	signal level	Output of FM/AM signals level
6	CE2	ı	chip enable-2	Chip enable for EEPROM "Low" active
7	WC	Π	write control	You can write EEPROM, when EEPROM write control is "Low".
				Ordinary non connection
8	CE1	П	chip enable-1	Chip enable for AF•RF "High" active
9	CK	-	clock	Clock
10	DI	П	data in	Data input
11	NC		non connection	Not used
12	OSCGND		osc ground	Ground of oscillator block
13	ROM_VDD		power supply	Power supply for EEPROM pin 13 is connected with a power supply of
				micro computer.
14	DO	0	data out	Data output
15	DGND		digital ground	Ground of digital block
16	NC		non connection	Not used
17	VDD_3.3		power supply	The power supply for digital block. 3.3V \pm 0.2V
18	NC		non connection	Not used
19	NC		non connection	Not used
20	NC		non connection	Not used
21	NC		non connection	Not used
22	AUDIOGND		audio ground	Ground of audio block
23	L ch	0	L channel output	FM stereo "L-ch" signal output or AM audio output
24	R ch	0	R channel output	FM stereo "R-ch" signal output or AM audio output

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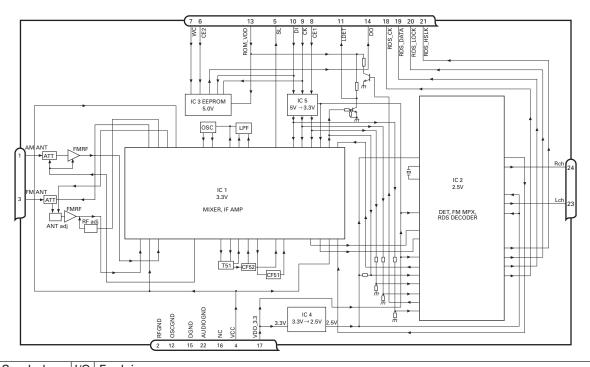
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● FM/AM Tuner Unit (AVIC-X1R/XU/EW)

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AMANT I AM antenna input AM antenna input high impedance AMANT pin is connected with an all antenna by way of 4.7μH. (LAU type inductor) A series circuit including an inductor and a resistor is connected with RF ground for the countermeasure against the hum of power transmission line. 2 RFGND RF ground Ground of antenna block 3 FMANT I FM antenna input Input of FM antenna 75Ω Surge absorber(DSP-201M-S00B) is necessary. 4 VCC power supply The power supply for analog block. D.C 8.4V ± 0.3V 5 SL O signal level Output of FM/AM signals level 6 CE2 I chip enable-2 Chip enable for EEPROM "Low" active 7 WC I write control You can write EEPROM, when EEPROM write control is "Low". Ordinary non connection 8 CE1 I chip enable-1 Chip enable for AF-RF "High" active 9 CK I clock Clock 10 DI I data in Data input 11 LDET O lock detector "Low" active 12 OSCGND osc ground Ground of oscillator block 13 ROM_VDD power supply Power supply for EEPROM pin 13 is connected with a power supply of micro computer. 14 DO O data out Data output 15 DGND digital ground Ground of digital block 16 NC non connection Not used 17 VDD_3.3 power supply The power supply for digital block. 3.3V ± 0.2V 18 RDS_CK O RDS clock Output of RDS clock(2.5V) 19 RDS_DATA O RDS data Output of RDS clock(2.5V) 20 RDS_LOCK O RDS lock Output unit "High" active(2.5V) (RDS_LOCK turns over by the external transistor. "Low" active) 21 RDS_HSLK O RDS high speed lock external transistor. "Low" active) 22 AUDIOGND audio ground Ground of audio block 23 L ch O L channel output FMS stereo "R-ch" signal output or AM audio output	No.	Symbol	I/O	Explain	
including an inductor and a resistor is connected with RF ground for the countermeasure against the hum of power transmission line. RF ground Ground of antenna block FM antenna input Input of FM antenna 75\(\Omega\) Surge absorber(DSP-201M-S00B) is necessary. FMANT IFM antenna input Input of FM antenna 75\(\Omega\) Surge absorber(DSP-201M-S00B) is necessary. FM VCC Inpower supply Input of FM/AM signals level CE2 Inchip enable-2 Chip enable for EEPROM "Low" active CE2 Chip enable for EEPROM "Low" active CE3 CE4 CE5 CE5 CE5 CE6 CE7 CE7 CE7 CE7 CE8 CE8 CE8 CE8 CE8 CE8 CE8 CE9	1	AMANT	ı	AM antenna input	AM antenna input high impedance AMANT pin is connected with
the countermeasure against the hum of power transmission line. 2 RFGND RF ground Ground of antenna block 3 FMANT I FM antenna input Input of FM antenna 75Ω Surge absorber(DSP-201M-S00B) is necessary. 4 VCC power supply The power supply for analog block. D.C 8.4V ± 0.3V 5 SL O signal level Output of FM/AM signals level 6 CE2 I chip enable-2 Chip enable for EEPROM "Low" active 7 WC I write control You can write EEPROM, when EEPROM write control is "Low". 8 CE1 I chip enable-1 Chip enable for AF-RF "High" active 9 CK I clock Clock 10 DI I data in Data input 11 LDET O lock detector "Low" active 12 OSCGND osc ground Ground of oscillator block 13 ROM_VDD power supply Power supply for EEPROM pin 13 is connected with a power supply of micro computer. 14 DO O data out Data output 15 DGND digital ground Ground of digital block 16 NC non connection Not used 17 VDD_3.3 power supply The power supply for digital block. 3.3V ± 0.2V 18 RDS_CK O RDS clock Output of RDS clock(2.5V) 20 RDS_LOCK O RDS lock Output unit "High" active(2.5V) (RDS_LOCK turns over by the external transistor. "Low" active) 21 RDS_HSLK O RDS high speed lock external transistor. "Low" active) 22 AUDIOGND audio ground Ground of audio block 23 L ch O L channel output FM stereo "L-ch" signal output or AM audio output					
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6 CE2	4	VCC		power supply	The power supply for analog block. D.C 8.4V \pm 0.3V
7 WC	5		0	signal level	
S CE1	6	CE2	- 1	chip enable-2	
8 CE1	7	WC	- 1	write control	You can write EEPROM, when EEPROM write control is "Low".
9 CK					Ordinary non connection
10 DI	8	CE1	ı	chip enable-1	Chip enable for AF•RF "High" active
11 LDET O lock detector "Low" active 12 OSCGND osc ground Ground of oscillator block 13 ROM_VDD power supply Power supply for EEPROM pin 13 is connected with a power supply of micro computer. 14 DO O data out Data output 15 DGND digital ground Ground of digital block 16 NC non connection Not used 17 VDD_3.3 power supply The power supply for digital block. 3.3V ± 0.2V 18 RDS_CK O RDS clock Output of RDS clock(2.5V) 19 RDS_DATA O RDS data Output of RDS data(2.5V) 20 RDS_LOCK O RDS lock Output unit "High" active(2.5V) (RDS_LOCK turns over by the external transistor. "Low" active) 21 RDS_HSLK O RDS high speed lock external transistor. "Low" active) 22 AUDIOGND audio ground Ground of audio block 23 L ch O L channel output FM stereo "L-ch" signal output or AM audio output	9	CK	ı	clock	Clock
12 OSCGND	10	DI	ı	data in	Data input
13 ROM_VDD	11	LDET	0	lock detector	"Low" active
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14DOOdata outData output15DGNDdigital groundGround of digital block16NCnon connectionNot used17VDD_3.3power supplyThe power supply for digital block. 3.3V ± 0.2V18RDS_CKORDS clockOutput of RDS clock(2.5V)19RDS_DATAORDS dataOutput of RDS data(2.5V)20RDS_LOCKORDS lockOutput unit "High" active(2.5V) (RDS_LOCK turns over by the external transistor. "Low" active)21RDS_HSLKORDS high speed lockOutput unit "High" active(2.5V)(RDS_HSLK turns over by the external transistor. "Low" active)22AUDIOGNDaudio groundGround of audio block23L chOL channel outputFM stereo "L-ch" signal output or AM audio output	13	ROM_VDD		power supply	Power supply for EEPROM pin 13 is connected with a power supply of
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17VDD_3.3power supplyThe power supply for digital block. $3.3V \pm 0.2V$ 18RDS_CKORDS clockOutput of RDS clock(2.5V)19RDS_DATAORDS dataOutput of RDS data(2.5V)20RDS_LOCKORDS lockOutput unit "High" active(2.5V) (RDS_LOCK turns over by the external transistor. "Low" active)21RDS_HSLKORDS high speed lockOutput unit "High" active(2.5V)(RDS_HSLK turns over by the external transistor. "Low" active)22AUDIOGNDaudio groundGround of audio block23L chOL channel outputFM stereo "L-ch" signal output or AM audio output	15	DGND		digital ground	Ground of digital block
18 RDS_CK O RDS clock Output of RDS clock(2.5V) 19 RDS_DATA O RDS data Output of RDS data(2.5V) 20 RDS_LOCK O RDS lock Output unit "High" active(2.5V) (RDS_LOCK turns over by the external transistor. "Low" active) 21 RDS_HSLK O RDS high speed lock Output unit "High" active(2.5V)(RDS_HSLK turns over by the external transistor. "Low" active) 22 AUDIOGND audio ground Ground of audio block 23 L ch O L channel output FM stereo "L-ch" signal output or AM audio output	16			non connection	
18 RDS_CK O RDS clock Output of RDS clock(2.5V) 19 RDS_DATA O RDS data Output of RDS data(2.5V) 20 RDS_LOCK O RDS lock Output unit "High" active(2.5V) (RDS_LOCK turns over by the external transistor. "Low" active) 21 RDS_HSLK O RDS high speed lock Output unit "High" active(2.5V)(RDS_HSLK turns over by the external transistor. "Low" active) 22 AUDIOGND audio ground Ground of audio block 23 L ch O L channel output FM stereo "L-ch" signal output or AM audio output	17	VDD_3.3		power supply	The power supply for digital block. $3.3V \pm 0.2V$
20 RDS_LOCK O RDS lock Output unit "High" active(2.5V) (RDS_LOCK turns over by the external transistor. "Low" active) 21 RDS_HSLK O RDS high speed Output unit "High" active(2.5V)(RDS_HSLK turns over by the external transistor. "Low" active) 22 AUDIOGND audio ground Ground of audio block 23 L ch O L channel output FM stereo "L-ch" signal output or AM audio output	18	RDS_CK	0	RDS clock	
external transistor. "Low" active) 21 RDS_HSLK O RDS high speed lock Output unit "High" active(2.5V)(RDS_HSLK turns over by the external transistor. "Low" active) 22 AUDIOGND audio ground Ground of audio block 23 L ch O L channel output FM stereo "L-ch" signal output or AM audio output	19	RDS_DATA	0	RDS data	Output of RDS data(2.5V)
21 RDS_HSLK O RDS high speed Output unit "High" active(2.5V)(RDS_HSLK turns over by the external transistor. "Low" active) 22 AUDIOGND audio ground Ground of audio block 23 L ch O L channel output FM stereo "L-ch" signal output or AM audio output	20	RDS_LOCK	0	RDS lock	Output unit "High" active(2.5V) (RDS_LOCK turns over by the
lock external transistor. "Low" active) 22 AUDIOGND audio ground Ground of audio block 23 L ch O L channel output FM stereo "L-ch" signal output or AM audio output					external transistor. "Low" active)
22 AUDIOGND audio ground Ground of audio block 23 L ch O L channel output FM stereo "L-ch" signal output or AM audio output	21	RDS_HSLK	0	RDS high speed	Output unit "High" active(2.5V)(RDS_HSLK turns over by the
23 L ch O L channel output FM stereo "L-ch" signal output or AM audio output				lock	external transistor. "Low" active)
23 L ch O L channel output FM stereo "L-ch" signal output or AM audio output	22	AUDIOGND		audio ground	Ground of audio block
	23	L ch	0		FM stereo "L-ch" signal output or AM audio output
	24	R ch	0	R channel output	FM stereo "R-ch" signal output or AM audio output

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7.3 EXPLANATION

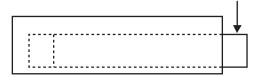
7.3.1 MECHANISM DESCRIPTIONS

Outline of the FLAP motion

- 1. The motion is actuated made by two motors, the forward/backward driving motor (CXB9515) and the angle driving motor (CXB9516).
- 2. Analog electric potential generated by the angle encoder is detected to detect angle motion status and motion position.
- 3. Memory function for the angle last position is accomplished by the micro processor using the 256 resolution steps of the VDD.
- 4. A pulse is detected by the photo interrupter to detect the horizontal motion status.
- 5. In the case of reset start, the monitor will be in a stored position first, and ejection motion will take place, which puts the system in the booted up state.
- 6. Angle adjustment is made by the angle key (+/-).
- 7. OPEN/CLOSE key makes the monitor stored or ejected, and temporary folding key folds the monitor temporarily.
- 8. Setting of the monitor auto storage/ejection ON/OFF and set back ON/OFF at the time of ACC ON/OFF is made on the navigation menu screen.
- 9. A backlight is switched-off during forward/backward and storage.

Explanation on the FLAP ejection motion

1. When the OPEN key is pressed or ACC is set to ON while the auto OPEN/CLOSE is being set to ON, angle driving motor rotates in the 0° direction for 500ms. (Pressed down.)



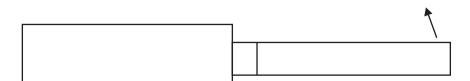
2. After 500ms, the angle driving motor is stopped, and the forward/backward driving motor rotates in the ejection direction.



3. For a period of 600ms from the time when LIFTSW is switched from H to L, the forward/backward driving motor keeps rotating in the ejection direction.



4. After 600ms, the forward/backward driving motor is stopped, and the angle driving motor rotates in the UP direction.



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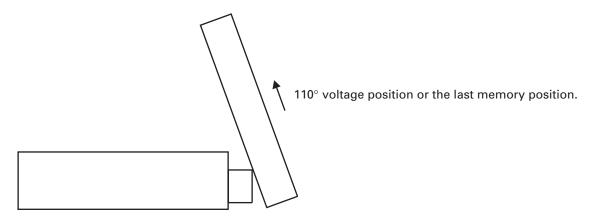
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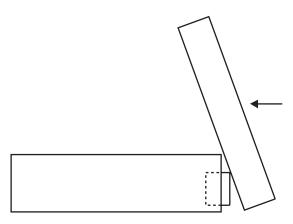
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6. When the setback is set to ON, after the monitor angle voltage has reached the previously memorized voltage, brake is applied to the angle driving motor, then the forward/backward driving motor is rotated in slow speed in the storage direction. After that, when LIFTSW has switched from L to H, the forward/backward driving motor is stopped.



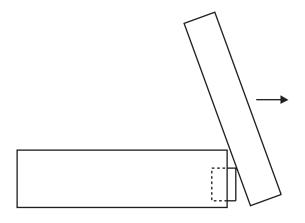
Explanation of the FLAP storage motion

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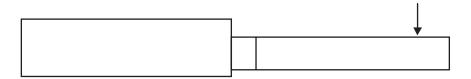
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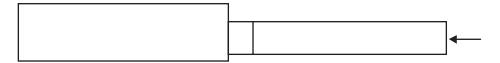
1. When CLOSE key is pressed, or after 6 seconds from ACC OFF when auto OPEN/CLOSE is being set to ON, the angle driving motor is rotated in the 0° direction. In case the setback setting is ON, the forward/backward driving motor is rotated in high speed in the ejection direction and the motor continues to rotate for 600ms from the time when LIFTSW is switched from H to L, then the angle driving motor is rotated in the 0° direction.



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3. After 500ms, brake is applied to the angle driving motor, and then the forward/backward driving motor is rotated in the storage direction.



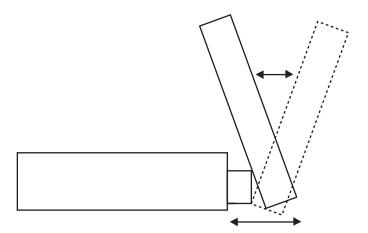
4. When the horizontal motion detection pulse is no longer detected for 200ms, brake is applied and the monitor storage motion is completed.



Explanation on the FLAP angle adjustment

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1. The angle driving motor is rotated in UP direction by the "+" key and in DOWN direction by the "-" key from the monitor stop position. If the key is kept pressed, the monitor will keep changing the angle without steps within the range of 50 to 110 degrees. When the setback is being set to ON, the forward/backward driving motor is rotated in the horizontal ejection direction while the key is being pressed, and angle adjustment is made by changing the angle voltage to the extent the angle adjustment key is effective after 600ms has elapsed from the time when LIFTSW has switched from H to L. When 3 seconds have elapsed from the time of angle adjustment completion, the forward/backward driving motor is rotated in slow speed in the horizontal storage direction, and brake is applied when LIFTSW has switched from L to H.



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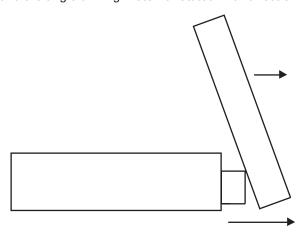
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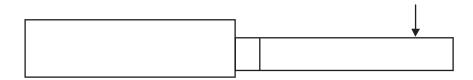
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■ Explanation on the FLAP temporary folding operation

1. By pressing the temporary folding key, the angle driving motor is rotated from the monitor stop position toward 0° direction. When the setback is being set to ON, the forward/backward driving motor is rotated when the key is pressed, brake is applied after 600ms has elapsed from the time when LIFTSW has switched from H to L, and the angle driving motor is rotated in 0° direction.



2. For a period of 500ms after DEGOSW has switched from H to L, the angle driving motor is rotated, and the monitor stops at its horizontal position by the brake. After 7 seconds, navigator operation sound is heard three times in 1 second interval. After 10 seconds, the angle driving motor is rotated in UP direction, and then the brake is applied to stop the motor at the last memory position. When the setback is being set to ON, after the angle driving motor stops at the last memory position, the forward/backward driving motor is rotated in slow speed in the horizontal storage direction, and the motor stops after LIFTSW has switched from L to H.



Notes related to the FLAP motion

- 1. Regarding the angle position, angle voltage is always checked, and the last memory is stored by addition or subtraction of the voltage. It should be noted, however, that the last memory will not be stored when the monitor is manually moved by force.
- 2. If the expected pulse is not detected during horizontal motion, the monitor will stop at that position.

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AVIC-N2/XU/UC

■ Table of driving unit operations by different preset modes

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		OPEN state	In OPEN motion	In CLOSE motion	CLOSE state
	Bup ON (Reset start)	CLOSE state ↓ CLOSE			Continue OPEN motion t Last angle
		+			Luot ungio
		OPEN state			
		Last angle			
	Bup OFF	To stand-by	To stand-by	To stand-by	To stand-by
	Bup OFF→ON	No state change	Continue OPEN motion	Continue CLOSE motion	No state change
			Last angle ↓	CLOSE	
2			Return		
ر ا	ACC ON	No state change			OPEN motion
					↓ Last angle
n N					↓ Return
Auto Oren/CLOSE setting On					
) <u>></u>	ACC OFF→ON	No state change	Continue OPEN motion	Continue CLOSE motion	No state change
7			Last angle ↓	CLOSE	
9			Return		
A	ACC OFF	6 sec from ACC OFF	Continue OPEN motion	Continue CLOSE motion	No state change
		↓ Advance	↓ Last angle	↓ CLOSE	
		↓ CLOSE motion	↓ Return		
		↓ CLOSE	6 sec from ACC OFF		
		CLOSE	+		
			Advance ↓		
			CLOSE motion ↓		
			CLOSE		
	Last memory	OPEN	OPEN	CLOSE	CLOSE
	Bup ON (Reset start)				
L	Bup OFF	To stand-by	To stand-by	To stand-by	To stand-by
P	Bup OFF→ON	No state change	Continue OPEN motion	Continue CLOSE motion	No state change
20			↓ Last angle	CLOSE	
guine			↓ ↓		
e seumg			Return		
LOSE setting	ACC ON	No state change	Return		No state change
IN/CLOSE setting	ACC ON ACC OFF→ ON	No state change No state change	Continue OPEN motion	Continue CLOSE motion	No state change
Jreiv/CLOSE setting				Continue CLOSE motion CLOSE	
uto Oreiv/CLOSE setting			Continue OPEN motion	+	
Auto Oren/CLOSE setting Orr		No state change	Continue OPEN motion Last angle	+	No state change
Auto OFEN/CLOSE setting	ACC OFF→ ON		Continue OPEN motion Last angle Return Continue OPEN motion	CLOSE Continue CLOSE motion	
Auto OPEN/CLOSE setting	ACC OFF→ ON	No state change	Continue OPEN motion Last angle Return Continue OPEN motion	CLOSE Continue CLOSE motion	No state change

^{*} When the setback is being set to OFF, there will be no advance/return motion.

After ACC OFF, if ACC is switched ON again during the 6 seconds counting, standby will be passed and the FLAP status will not change.

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■ Table of temporary folding control

			Temporary folding state (horizontal position)	Temporary folding reset (horizontal position→last angle)	Temporary folding in motion (last angle→horizontal position)
		Bup ON			
		Bup OFF	To stand-by	To stand-by	To stand-by
	7	Bup OFF→ ON	Continue temporary folding motion	Continue OPEN motion Last angle Return	Continue temporary folding motion ↓ Temporary folding
	ō	ACC ON			
	LOSE setting	ACC OFF→ ON	OPEN motion ↓ Last angle ↓ Return	Continue OPEN motion Last angle Return	Continue temporary folding motion ↓ Temporary folding
	Auto OPEN/CLOSE setting ON	ACC OFF	6 sec from ACC OFF CLOSE motion CLOSE	Continue OPEN motion Last angle Return 6 sec from ACC OFF Advance CLOSE motion CLOSE	Continue temporary folding motion Temporary folding 6 sec from ACC OFF CLOSE motion CLOSE
		Last memory	OPEN	OPEN	OPEN
İ		Bup ON			
		Bup OFF	To stand-by	To stand-by	To stand-by
	g OFF	Bup OFF→ ON	Continue temporary folding motion	Temporary folding reset	Temporary folding in motion
	Ë.	ACC ON			
	Auto OPEN/CLOSE setting OFF	ACC OFF→ ON	OPEN motion ↓ Last angle ↓ Return	Continue OPEN motion ↓ Last angle ↓ Return	OPEN motion ↓ Last angle ↓ Return
	Auto OPEN	ACC OFF	OPEN motion ↓ Last angle ↓ Return	Continue OPEN motion Last angle Return	OPEN motion ↓ Last angle ↓ Return
		Last memory	OPEN	OPEN	OPEN

^{*} When the setback is being set to OFF, there will be no advance/return motion.

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AVIC-N2/XU/UC

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■ Navigation Unit (1) (ACC ON)

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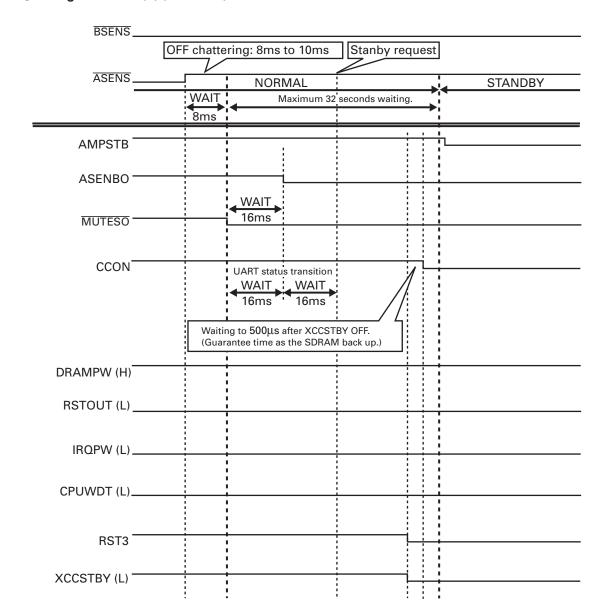
● Navigation Unit (2) (ACC OFF)

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AVIC-N2/XU/UC

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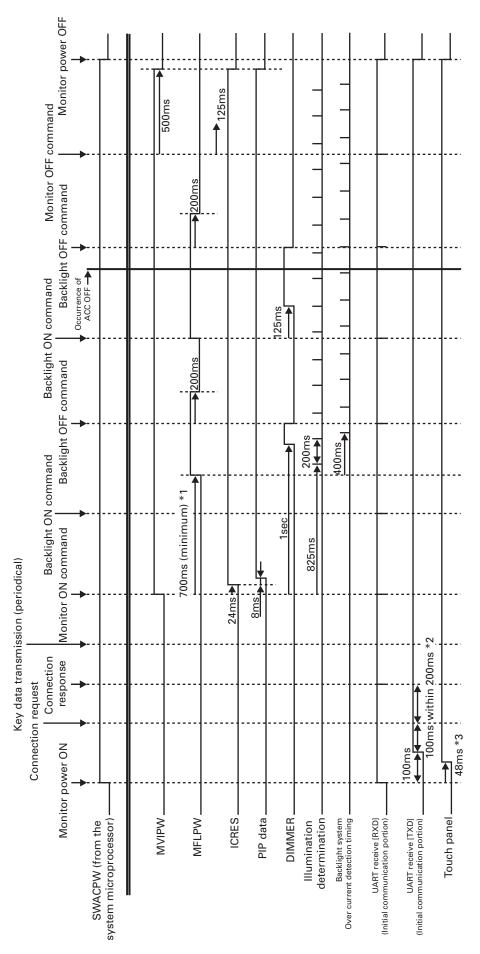
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■ Monitor Unit



* 1 : While MFLPW will turn ON by the backlight ON command, it will not turn ON for at least 700ms after MVIPW ON.

* 2 : In case connection response is not received from the system microprocessor within 200ms from the transmission of connection request, retry process will take place. Retry process will take place for 200ms x 16 times. In case the retry process is finished without receiving the request signal, the initial communication is determined to be NG (connection NG), and no more process will take place.

* 3 : After 48 ms from the monitor power ON, the touch panel process (taking in AD coordinate) will take place.

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AVIC-N2/XU/UC

7.4 CLEANING



Before shipping out the product, be sure to clean the following portions by using the prescribed cleaning tools:

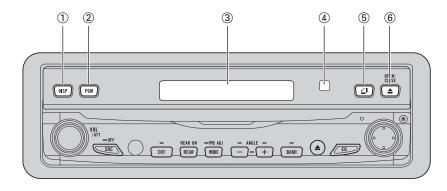
Portions to be cleaned	
DVD pickup lenses	Cleaning liquid: GEM1004
	Cleaning paper: GED-008

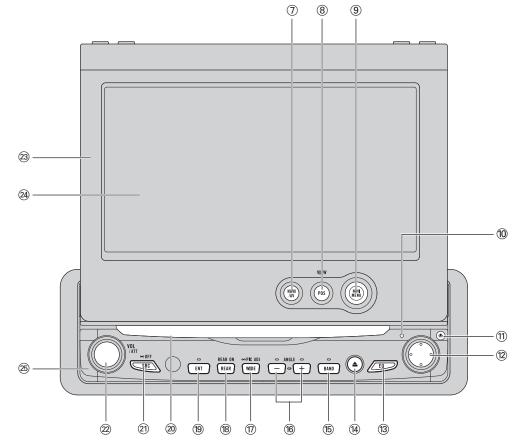
Portions to be cleaned	Cleaning tools
Fans	Cleaning paper: GED-008

AVIC-N2/XU/UC 7 ■ 303

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(1) DISP button

Press to select different displays.

(2) PGM button (AVIC-N2/XU/UC)

Press to operate the preprogrammed functions for each source.

(2) TA/NEWS button (AVIC-X1R/XU/EW)

Press to turn traffic announcements function on or off. Press and hold to turn NEWS function on or off.

(3) Sub display

Current time or the information of the audio source currently playing is displayed when the LCD panel is closed.

(4) Ambient light sensor

Senses ambient light. This system automatically adjusts the brightness of the display to compensate for ambient light.

(5) FLIP DOWN/CLOCK button

Press to turn the LCD panel horizontal temporarily when the LCD panel is upright.

Press to turn the clock of the sub display on or off when the LCD panel is closed.

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AVIC-N2/XU/UC

(6) OPEN/CLOSE button

Press to open or close the LCD panel.

(7) NAVI/AV button

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Use to switch between Navigation map displays and audio operation displays.

(8) POS button

Press to view the map or return to guidance. Also, when the map is scrolling, pressing this button returns you to the display of the map of your surroundings.

Use to switch the view mode of the navigation when the map of your surroundings is displayed.

(9) NAVI MENU button

Press to display a menu of Navigation.

(10) RESET button

Press to return to the factory settings (initial settings). Some information items are not erased.

(11) DETACH button

Press to remove the front panel from the display unit.

(12) Joystick

Move to do manual seek tuning, fast forward, reverse and track search controls, etc. Push to display **A.MENU**.

(13) EQ button

Press to select various equalizer curves.

(14) EJECT button

Press to eject a disc from this unit.

(15) BAND button

Radio:

Press to select among three FM and one AM bands.

Built-in DVD drive:

When playing back a disc containing an MP3 file and audio data (CD-DA), pressing this button switches playback between the MP3 file and CD-DA. Touch and hold this button when a disc containing an MP3 file is inserted returns you to the root folder.

(16) ANGLE (+/-) button

Press to change the LCD panel angle.

(17) WIDE button

5

Press to select a desired mode for enlarging a 4:3 picture to a 16:9 one.

Press and hold to enter the **PICTURE ADJUST** mode.

(18) REAR button

Press to output to the REAR OUT terminal the sound and images of a disc inserted in the built-in DVD drive that is different the currently selected source.

(19) ENT button

Press to switch between the background displays.

(20) Disc loading slot

Insert a disc to play.

(21) SRC (SOURCE) button

This unit is turned on by selecting a source. Press to cycle through all of the available sources.

Press and hold to turn the source off.

(22) VOLUME/ATT button

Rotate to increase or decrease the volume. Press to quickly lower the volume level, by about 90%. Press once more to return to the original volume level.

- (23) LCD panel
- (24) LCD screen
- (25) Front panel

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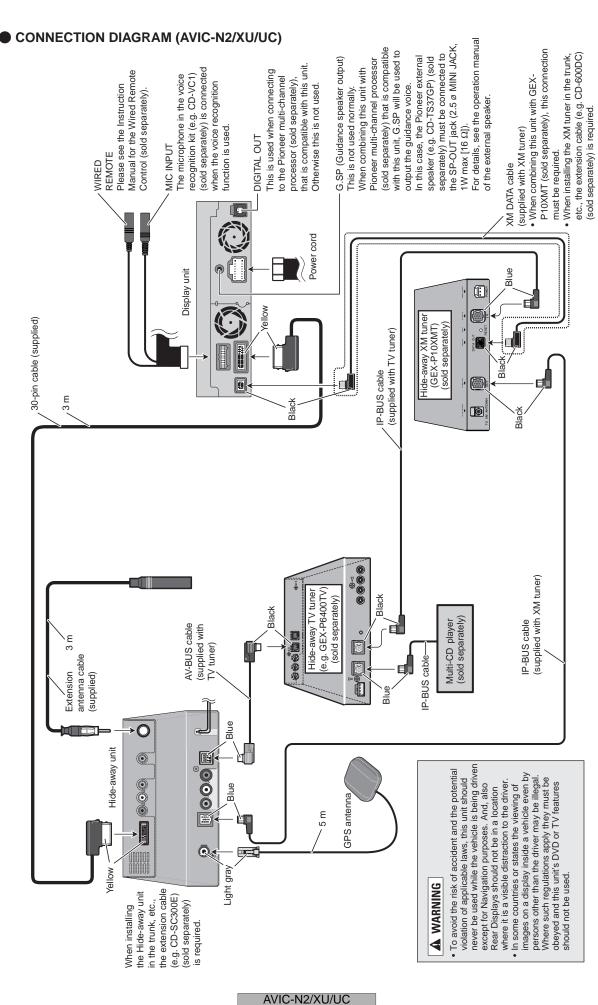
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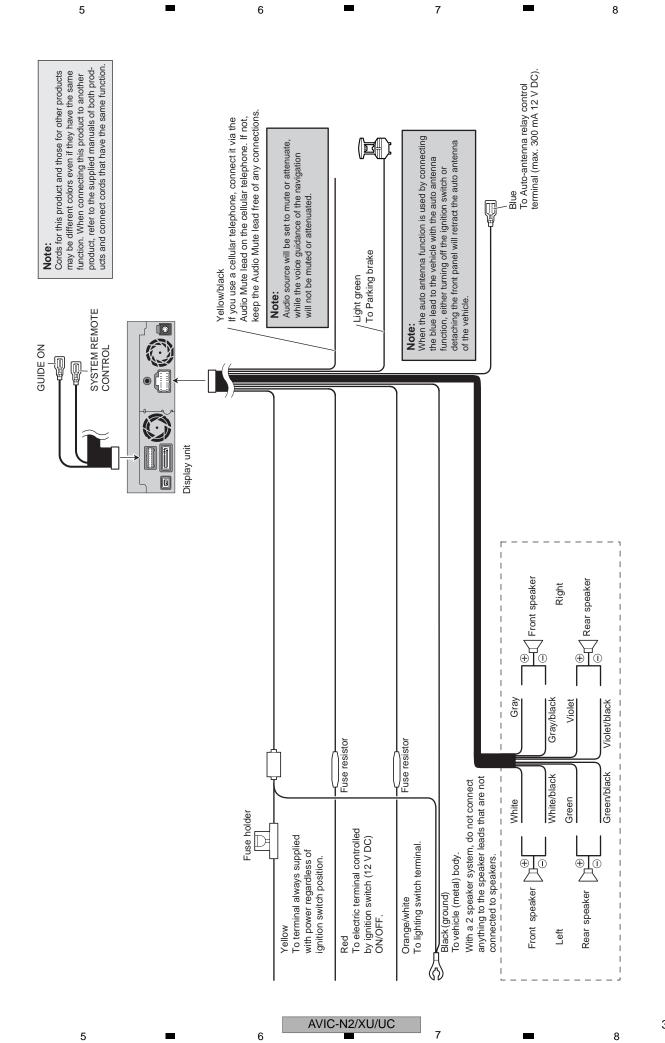
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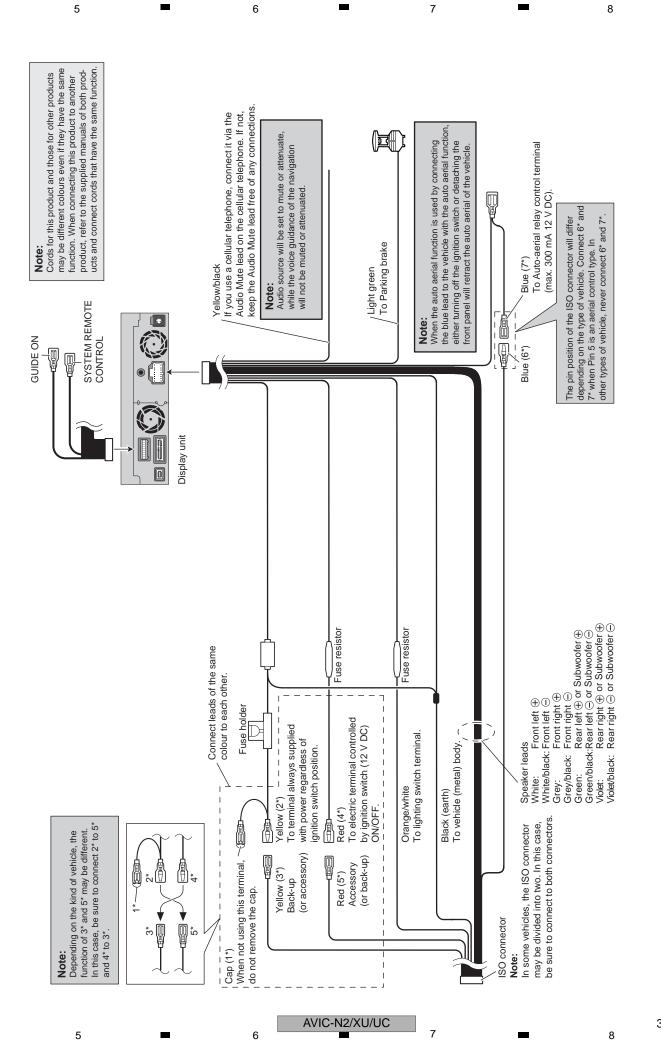
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After Installing the Unit

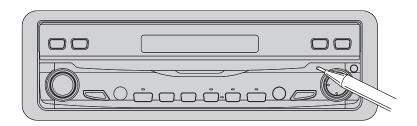
1. Reconnecting the battery.

First, double-check that all connections are correct and that the unit is installed correctly. Reassemble all vehicle components that you previously removed. Then reconnect the negative (–) cable to the negative (–) terminal of the battery.

2. Start the engine.

3. Press the RESET button on the display unit.

Press the RESET button on the display unit using a pointed object such as the tip of a pen.



4. Enter the following settings:

- Install the programme in the navigation system.
- Drive until the initialized sensors start operating normally.
- Set the time and language.

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If you reconnected the Hide-away unit, press the RESET button.

After installing the unit, be sure to check at a safe place that the vehicle is performing normally.

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JIG's List

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Function	Name	Jig No.
CC Unit (CN609) <> Main Unit (CN3801)	PCB	GGF1461
CC Unit (CN609) <> GGF1461	40P FFC	GGD1170
CC Unit (CN609) <> GGF1461	20P FFC	GGD1209
CC Unit (CN608) <> Monitor PCB (CN4002)	PCB	GGF1483
CC Unit (CN2701) <> Panel PCB (CN5901)	18P FFC	GGD1208
Monitor PCB (CN4002) <> GGF1483	36P FFC	GGD1366
Monitor Adjustment PCB	PCB	GGF1416
JIG connector Assy	PCB and FFC	GGF1463
Monitor PCB ("FOR SERVICE" 14P terminal) <> GGF1463	14P FFC	GGD1323
TEST DISC (Operation check)	CD-ROM or DVD-ROM	GGV1137
DVD pickup lenses	CLEANING LIQUID	GEM1004
DVD pickup lenses and Fans	CLEANING PAPER	GED-008

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Pioneer sound.vision.soul

Service Manual

ORDER NO. CRT3056

DVD MECHANISM MODULE(MS3)

CX-3016

- This service manual describes the operation of the DVD mechanism modules incorporated in the models listed below.
- When performing repairs use this manual together with the specific manual for the model under repair.
- The DVD mechanism MS3 has VIDEO-type and ROM-type models. This manual covers the operations for both models.

Model	Service Manual	DVD Mechanism Module
AVH-P6500DVD/UC	CRT3038	CXK6310
DVH-P5000MP/UC	CRT3074	CXK6312
AVH-P7500DVD/UC	CRT3039	CXK6300

CONTENTS

1.	CIRCUIT DESCRIPTIONS	.2
2.	MECHANISM DESCRIPTIONS	15
3.	DISASSEMBLY	20

PIONEER CORPORATION
4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153-8654, Japan PIONEER ELECTRONICS SERVICE INC.
P.O.Box 1760, Long Beach, CA 90801-1760 U.S.A.
PIONEER EUROPE NV Haven 1087 Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS ASIACENTRE PTE.LTD. 253 Alexandra Road, #04-01, Singapore 159936

1. Circuit descriptions

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1.1 Front-end processor (FEP) section (AN8703FH: IC1101)

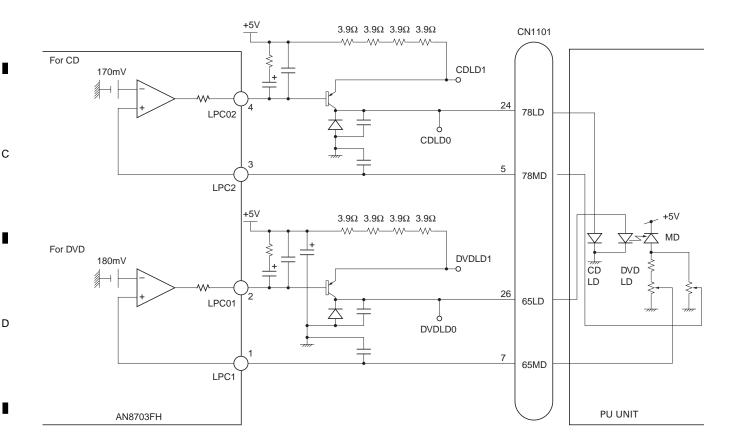
2

The IC1101 generates servo signals for focus and tracking operations, processes the RF signal, and controls the laser power of the pickup.

3

For servo signal processing, the IC contains a focus operational amplifier, a focus balance adjustment circuit, a threebeam tracking operational amplifier, a phase-difference tracking detection circuit, a tracking balance adjustment circuit, and an envelope detection circuit.

For the RF signal processing, the AGC and equalizer functions are contained in the IC.



1.1.1 APC circuit

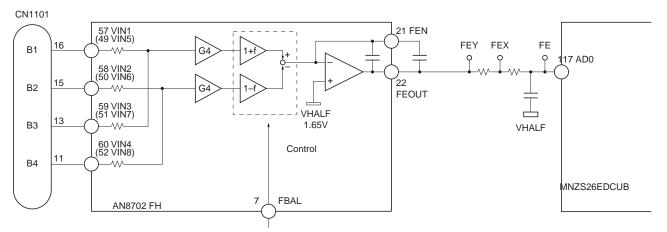
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The light output of laser diodes (LD) has largely negative thermal characteristics. If they are driven with a constant current, the laser power level will not be constant. The APC circuit is designed to control the current so that the laser power becomes constant through the monitor diode (MD). The IC AN8703FH contains two APC circuits, one for DVDs and the other for CDs. The LD current values for DVDs can be calculated by dividing the voltage between the DVDLD1 (or CDLD1 for CDs) and 5V line by 15.6 ohms (3.9 ohms x 4): approximately 26mA and 44mA for DVDs and CDs respectively.

CX-3016

1.1.2 Focus error (FE) generating circuit



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The pin numbers and names in the brackets are for CDs. The circuits for CDs and DVDs are identical, except for the input terminals of the signals B1 through B4.

Focus error (FE) generating circuit

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The signals B1 through B4, obtained by dividing the output in the pickup, are applied to the FE generating circuit. Inside the circuit, the (B1 + B3) and (B2 + B4) signals are generated via the internal resistors, fed into the variable amplifier for the focus balance adjustment, and finally the FE signal is generated by amplifying the $\{(B1 + B3) - (B2 + B4)\}$ signal.

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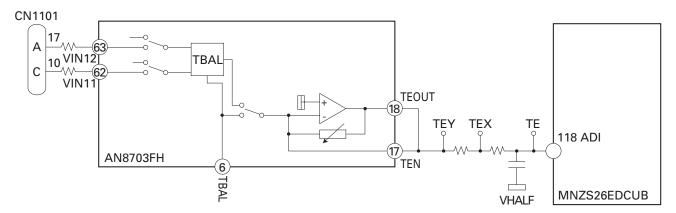
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1.1.3 Tracking error (TE) generating circuit

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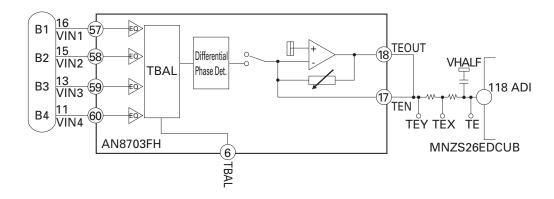
• CD (three-beam TE)

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· DVD (phase difference TE)



Tracking error (TE) generating circuit

For DVDs, the TE signal is generated by utilizing the phase difference between the (B2 + B4) and (B1 + B3) signals (the phase difference method).

For CDs, the A and C signals are applied to the TE generating circuit via the external resistors. Inside the circuit the signals are fed to the variable amplifier for the tracking balance adjustment, and finally the TE signal is obtained by amplifying the (A – C) signal (the three-beam method).

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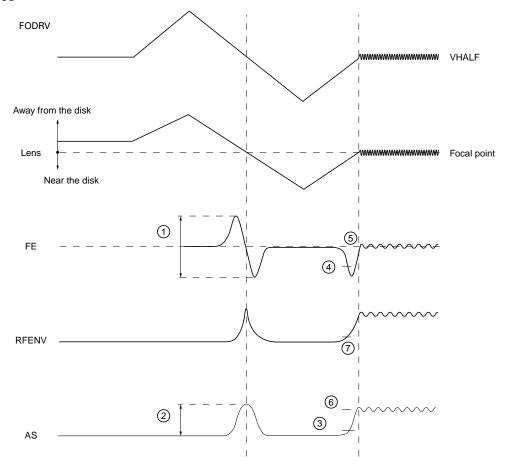
1.2 Optical disc controller (SODC) section (MNZS26EDCUB: IC1301)

The IC1301, an optical disc controller (SODC) for DVD-ROM/DVD players, is one of a signal processing LSI conforming to the DVD standards.

This IC works as a servo controller for the focus, tracking and traverse operations, a spindle motor controller, a seek controller, a digital signal processor for DVD-ROM/RAM reproduction (8/6 demodulation and error correction), and a digital signal processor for CD-ROMs (error correction). In the DSC (Disc Servo Controller) employing an arithmetic processor as a core, analog circuits such as A/D and D/A converters and PLL, and digital circuits including a PWM converter and a cycle timer are contained. In the CIRC, a digital signal processor for CD-DA and CD-ROMs (EFM demodulation and error correction), a spindle motor digital servo processor, and a 1-bit D/A converter with a digital filter (with a secondary low-pass filter, differential OP amplifier output) are prepared. This LSI has easily realized a complete CD/DVD-ROM system.

1.2.1 Focus close

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After a focus close command is issued, the following procedures are performed irrespective of DVDs and CDs:

1. Measuring and optimizing the signal levels

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The pickup lens initially moves away from the disc, and then toward the disc. When the pickup lens passes the focal point, the FE, AS and RFENV signal levels are measured to optimize the FE and AS signal levels (1 and 2 shown in the above diagram).

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2. Focus closing

Next, the pickup lens moves away from the disc to detect the focus closing levels for FE and AS signals. The focus loop filter operates to close the focus loop (3 through 6 in the above diagram).

3. Verifying focus close completion

The focus close completion is verified by observing the AS and RFENV signal levels (6 and 7 in the above diagram).

In the test mode, focus search is used to verify the FE, AS and RFENV signal levels and the focus drive voltage.

1.2.2 Tracking close

After a tracking-close command is issued, the following procedures are performed irrespective of DVDs and CDs:

1. Tracking brake

A half cycle of the track-cross (TKC) signal is measured. If the measured cycle falls within the prescribed range, then a brake pulse signal is output. The direction of the brake pulse depends on the relation in phase between the OFTR signal and TKC signal (which is obtained by converting the TE signal into a binary signal). When it is confirmed that the stability in lens operation against the disc has been obtained, the brake pulse output will be terminated, and the operation will proceed to the track-closing mode. If it is not confirmed, the brake pulse output will be terminated 10msec. after the brake pulse signal is output, then the operation will automatically proceed to the track-closing mode.

2. Tracking closing

The tracking drive-hold process is performed with the OFTR signal.

3. Verifying tracking close completion

The success or failure in tracking close depends on the number of tracks that the pickup crosses within the prescribed period. That is, when the number is the prescribed one or less, the system senses that the tracking close is completed. The time limit for the tracking close verification process is 20msec. The retry operation will be carried out with the command from the microcomputer if the verification has not been completed within the time limit.

1.2.3 Track jump

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This system performs track jumps by selecting the following three modes depending on the number of tracks to be skipped: Interval jump, multi jump and traverse jump.

1. Interval jump

In this mode, a single-track jump is performed repeatedly. This mode is used for fine seek operation when the pickup has approached the target track or adjacent tracks are targeted.

2. Multi jump

This mode performs the pickup track-count movement by counting both edges of the TKC signal to jump the target number of tracks.

3. Traverse seek

In this mode, the time is measured with the TKC signal to control the pickup speed. During the movement of the pickup, its vibration is minimized.

The track-jump mode settings for DVDs and CDs are shown below:

Target number of tracks	Track jump mode
1~10	Interval jump
11~100	Multi jump
101~500	Combination of multi jump and interval jump
501~	Traverse seek

The waveform in each of the track-jump modes is shown in the following pages.

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Tracking on

Tracking on

CLPTM Tracking failure detection

OFTR

TRORY

Tracking brake

V1 V2=V1×TKCLP:L/256
V3=V2×TKCLP:L/256
V3=V2×TKCLP:L/256
V4V5 V6
V5=V4×TKCLP:H/256
V6=V5×TKCLP:H/256

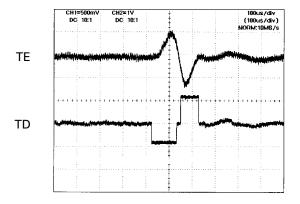
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Interval jump (one track)

Toward outer tracks

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*In this case, int TKCLP:L=0 V2=0

Toward inner tracks

7

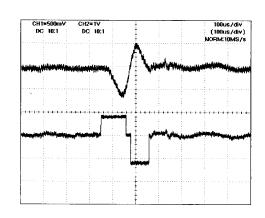
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1 2 3 4

Multi jump (32 tracks)

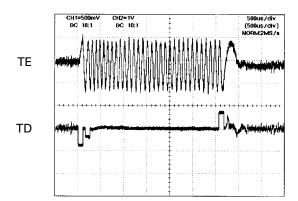
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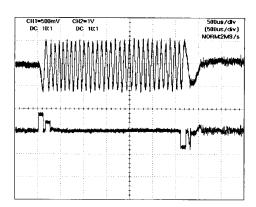
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Toward outer tracks

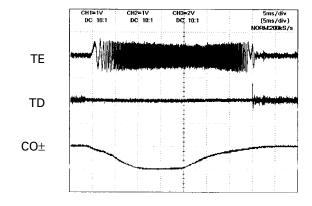


Toward inner tracks

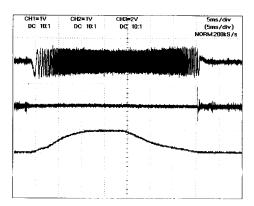


Traverse seek (501 tracks)

Toward outer tracks

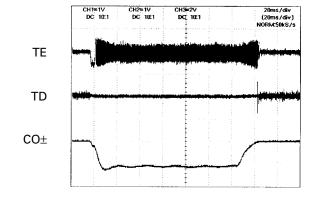


Toward inner tracks

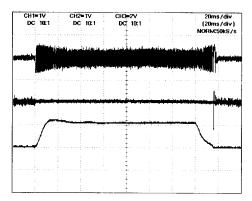


Traverse seek (5,000 tracks)

Toward outer tracks



Toward inner tracks



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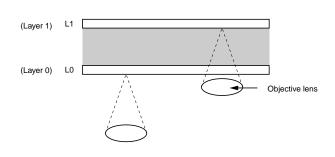
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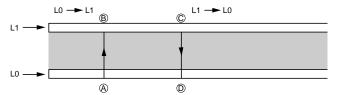
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1.2.4 Focus jump

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Focus jump is used for single-sided, double-layered or double-sided, double-layered discs. The layer closest to the objective lens is called layer 0 (L0), and the other layer is layer 1 (L1).





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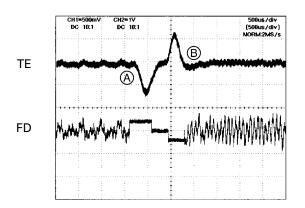
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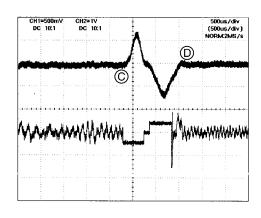
The waveforms in the focus jump mode are shown below:

Focus jump waveform

 $L0 \rightarrow L1$



 $L1 \rightarrow L0$



The focus-jump operation flow is described below:

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- 1. The tracking loop is unlocked on the layer that is being played.
- 2. A jump command is issued to jump to the targeted layer.
- 3. The tracking loop closes on the targeted layer and reproduction starts.

The detailed processes after a jump command is issued are as follows:

- 1. The pickup lens is accelerated towards the target layer until the FE signal detects the focus jump acceleration completion level. If the acceleration timeout occurs before the acceleration completion level is detected, the acceleration is forcibly terminated.
- 2. No drive voltage is applied until the FE signal detects the deceleration starting level, and the lens is kept moving by the inertia.
- 3. With the deceleration starting level detected, the lens starts decelerating, and continues it until the deceleration completion level is detected. If the deceleration timeout occurs before the deceleration completion level is detected, the deceleration is forcibly terminated.

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1.3 Automatic adjustment functions

This system automatically performs all circuit adjustments by combined operations of the ICs AN8703FH (FEP) and MNZS26EDCUB (SODC). Each automatic adjustment function is explained below:

1.3.1 FE, TE and AS offset cancel

The analog signals FE, TE and AS, generated by the FEP, are A/D-converted by the A/D converter inside the SODC. When the power is turned on, the offset cancel works to cancel the input offset of the A/D converter.

1.3.2 Data slice balance (DBAL) adjustment

The DBAL adjustment is made to adjust the data-slice level that is used when the RF signal from the FEP is converted to a binary signal in the SODC. When the power is turned on, the test signal of the constant frequency is output from the SODC and the jitter component of the signal is adjusted to the minimum.

•In the same manner as the above, the PLL balance (PBAL) adjustment is made to optimize the current level balance between the P-ch and N-ch sides of the chargeable pump.

1.3.3 FE regulating adjustment

The FE signal level measured when the focus loop is closed is A/D-converted in the SODC. Then it is adjusted so that it becomes 190LSB at the input stage of the digital equalizer.

1.3.4 Spindle gain learning

The time is measured that is required for the spindle motor to start rotating in the stop mode and reach the prescribed rotation. The measured time is used to adjust the SPDL gain, thereby absorbing the variation in the motor torque.

1.3.5 Tracking balance (TBAL) adjustment

In the focus close and tracking open mode, the lens is vibrated in the tracking direction. The tracking balance is adjusted so that the DC offset becomes zero (the balance point) by using the Newton-Raphson's method.

1.3.6 Tracking error amplitude learning

In the focus close and tracking open mode, the lens is vibrated in the tracking direction. After A/D-converted in the ADSC, the amplitude level of the TE signal is adjusted so that it becomes 190LSB at the input stage of the digital equalizer.

1.3.7 Focus balance (FBAL) adjustment

In the tracking close mode, the focusing position is adjusted by minimizing the RFENV.

1.3.8 Focus gain and tracking gain adjustments

In the tracking close mode, some disturbance signal is applied to the servo loops. The focus and tracking gains are adjusted to the target gain cross points.

1.3.9 AS regulating adjustment

In the tracking close mode, the AS signal level is sampled the prescribed times. After A/D-converted in the ADSC, this signal is adjusted so that it becomes 64LSB at the input stage of the digital equalizer.

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For each automatic adjustment, the adjustment results can be displayed in the test mode for verification.

Condition	Coefficient name	DVD	CD
Power-on	FE offset	FC44 - 03BC	FABB - 0545
	TE offset	EF90 - 1070	F435 - 0BCB
	AS offset	FBBB - 0745	F8BB - 0745
Focus close	Spindle gain	01CF - 048D	01CF - 048D
	FE maximum	1767 - 462B	15C2 - 485A
	FE minimum	B9D5 - E899	B7A6 - EA3E
	AS maximum	1006 - 2AD5	0E96 - 26FD
	FE regulation	014E - 044E	0142 - 04AB
Focus close	TE maximum	199E - 4776	147C - 43D6
(after TBAL)	TE minimum	B88A - E662	BC2A - EB84
	TE regulation	00F7 - 03AE	00EF - 0428
Tracking close	Focus gain	0100 - 0400	0100 - 0400
	Tracking gain	0100 - 0400	0100 - 0400
	AS regulation	0170 - 04BF	0192 - 05D0

Notes:

The coefficient values are indicated in the hexadecimal system.

The specifications shown above are for the production line.

The used discs are DVD-REF-A1 and TCD-782 for DVDs and CDs respectively.

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1.4 Back-end section

1

As described before, in the front-end processor and optical disc controller, the data is read out from a disc, and processed for demodulation and error correction.

2

Here in the back-end section, thorough the MPEG decoding, compressed audio decoding and other processing, the data is output as video and audio signals.

3

The back-end section, including the microcomputer, its peripheral circuits, and power supply, is explained below:

1.4.1 Back-end power supply

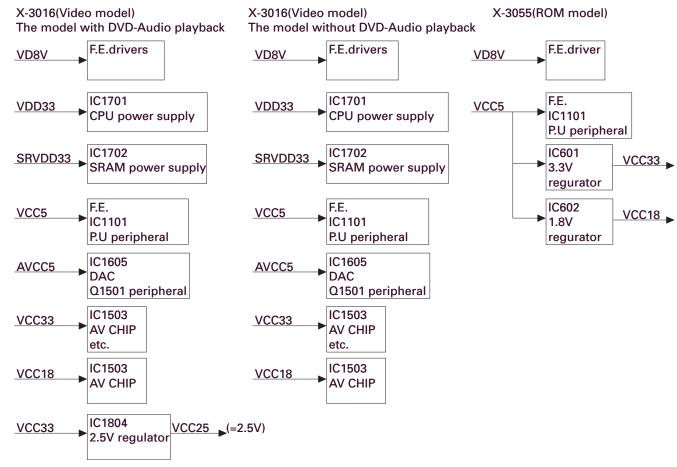
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The back-end power supply for each model is shown below.

The video-type model with DVD-Audio reproduction function has the 2.5V internal regulator, but the video-type model without DVD-Audio reproduction function does not. The ROM-type has a different power supply circuit from those for the video-type models.



Power supply configuration

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1.4.2 Back-end clock section

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For the Video-type models:

An oscillating crystal of 27MHz is used to generate the 27MHz buffer-out (CLK27), audio section clock (EXTCK), and front-end section clock (MCK16) signals by the IC1507.

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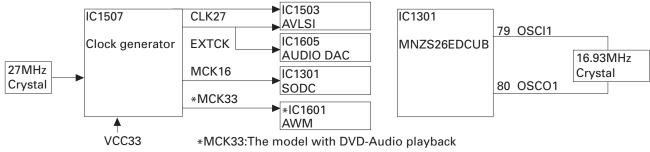
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For the ROM-type model:

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An oscillating crystal of 16.93MHz is used to generate the front-end section clock (MCK16) signal by the IC1301.



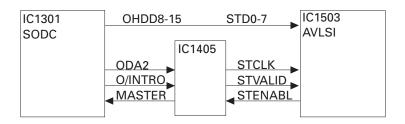
Clock configuration

1.4.3 Back-end stream I/F section (only for the video-type models)

This section functions as an interface to transfer the data read out in the front-end section, between the SODC and the back-end section.

For DVDs, this section transfers MPEG data, which is generally called MPEG stream. Therefore, the I/F section is called stream I/F.

Note that the signals are given different names between the IC1301 SODC and IC1503 AVLSI.



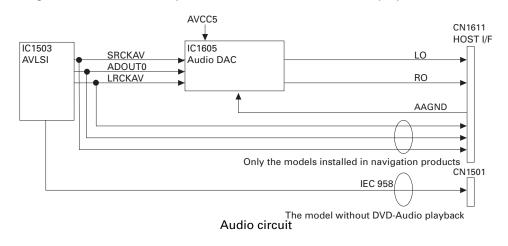
Streaming I/F

1.4.4 Back-end audio circuit section (only for the video-type models)

The three serial audio signals, output from the AVLSI, are applied to the IC1605 (Audio DAC), where they are converted into analog audio signals. These analog signals are output from the HOST I/F.

Only for the models installed in navigation products, after output from the AVLSI, the same serial signals are directly put out from the HOST I/F.

The IEC958 (audio/digital out) is available only for the model without DVD-Audio playback function.



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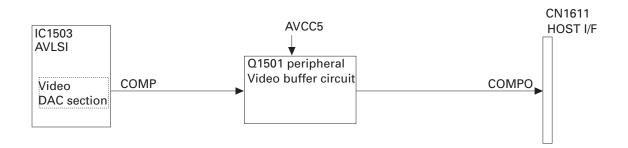
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1.4.5 Back-end video circuit section (only for the video-type models)

The composite video signal from the video DAC circuit inside the AVLSI is output from the HOST I/F via the video buffer circuit.

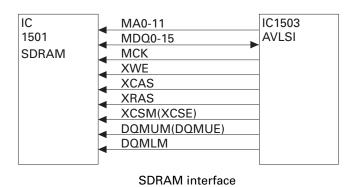
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Video circuit

1.4.6 Back-end SDRAM I/F section (only for the video-type models)

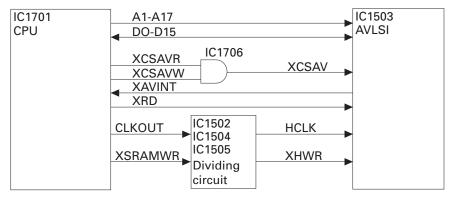
For the SDRAM, which functions as the communication I/F between the AVLSI and the memory, a 64Mbit IC has employed to secure the MPEG stream dada buffer.



1.4.7 Back-end microcomputer I/F section (only for the video-type models)

This section works as a communication interface between the AVLSI and the CPU.

In order to match the operating frequency for the CPU with that for the AVLSI, a frequency dividing circuit is inserted as shown below.



Microcomputer interface

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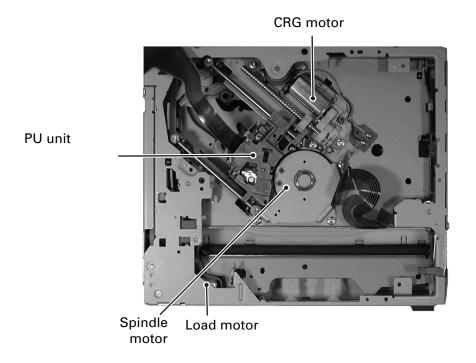
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2. Mechanism descriptions

Configuration

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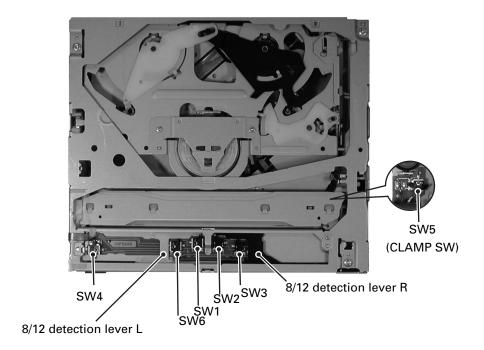
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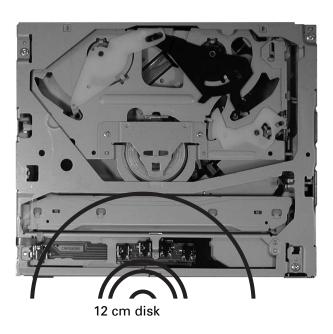
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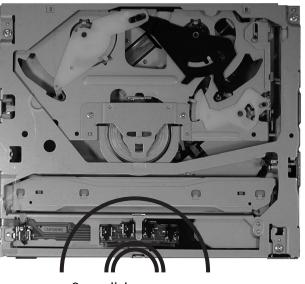
2.1 Disc loading operation

- 1. When a disc is inserted, the 8/12-detection levers R and L slide. Either of the switches SW1 and SW2 is shifted from ON to OFF, which triggers the operation of the loading motor.
- 2. For a 12cm disc, the switch SW3 is turned OFF and SW4 is ON during disc transportation. The microcomputer senses that a 12cm disc is loaded.



3. For an 8cm disc, neither the switch SW3 nor SW4 will be shifted to the above states (SW3: OFF, SW4:ON) during disc transportation. The operation mode proceeds to the clamp operation. The microcomputer senses that an 8cm disc is loaded.





8 cm disk

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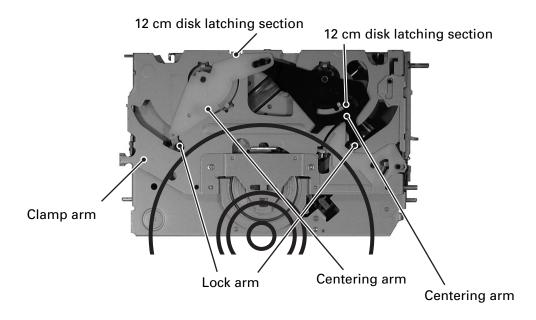
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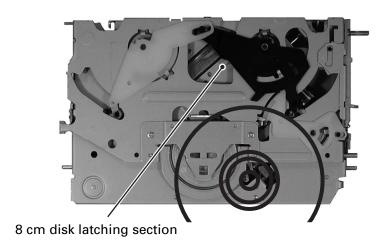
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2.2 Disc centering mechanism

1. With a 12cm disc loaded, the disc pushes both of the lock arms R and L to open the centering arms R and L. Then, the clamp arm or the stopper of the centering arm R stops the disc for centering. The operation mode proceeds to the clamp operation.



2. With an 8cm disc loaded, the disc pushes either of the lock arms R and L. The lock arms R and L are connected each other via the centering arms R and L. The lock arms R and L will be kept locked unless the disc pushes them at the same time. Therefore, the lock arm blocks the disc for centering. During disc centering, the disc pushes out the disc detection arm. When the detection arm completes moving, the disc stops. The operation mode proceeds to the clamp operation.



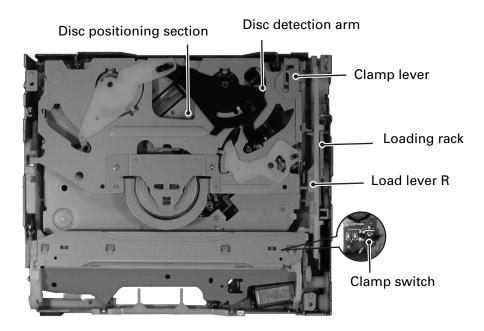
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2.3 Clamp operation

1. When an 8 or 12 cm disc is centered over the spindle, the disc detection arm moves the clamp lever. The loading rack driven by the clamp lever is engaged with the lever driving gear, which triggers the disc clamp operation.



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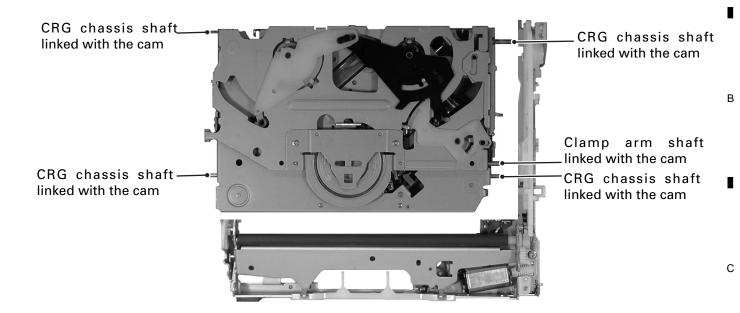
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2. When pressed by the loading rack, the load lever R moves toward the front side, and the roller shaft, which is connected to the cam of the load lever R, moves downward. The roller shaft is connected to the cam of the cam ring also. Therefore, the drive of the roller shaft is transferred to the load lever L via the cam ring. The load lever L moves toward the front side. The load lever cams are released from the three shafts for the CRG chassis unit and the clamp arm shaft. When the load lever R turns on the clamp switch, the clamp operation ends.



2.4 Eject operation

- 1. When the loading motor turns in reverse, the disc eject operation begins.
- 2. With a 12cm disc loaded, when the SW4 is shifted from OFF to ON, and then OFF again, the eject operation ends.
- 3. With an 8cm disc loaded, when the SW3 or SW 6 is shifted from ON to OFF, and then both switches are turned ON, the eject operation ends.

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3. Disassembly

Precautions on handling the mechanism module

- 1. Hold the upper and main frames.
- 2. Do not hold the front portion of the upper frame. It is a delicate part.
- 3. Do not touch the switches on the top panel.
- 4. Be careful not to catch the flexible cables.

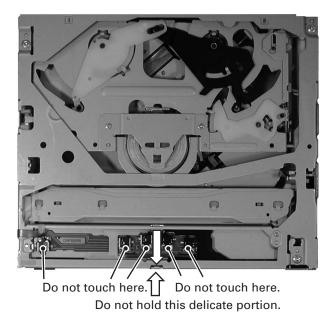
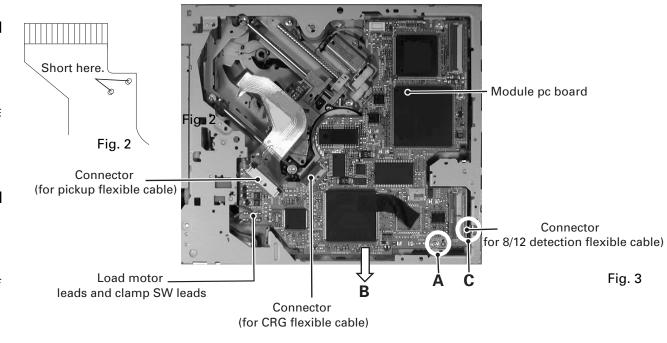


Fig. 1

Removing the module pc board (fig.2 and 3)

- 1. Set the mechanism to the lock position (disc load standby position).
- 2. Place the mechanism module upside down.
- 3. Short the two lands on the pickup flexible cable as shown below.
- 4. Be sure to disconnect the pickup flexible cable and the CRG flexible cable from the connectors to protect them from damages.
- 5. Remove solder from the load motor leads and clamp SW leads.
- 6. Loosen the two fixing screws. Lift the position A of the module pc board lightly and move it in the direction B to remove it. Be careful not to damage the flexible cable C.
- 7. Disconnect the 8/12 detection flexible-cable from the connector.



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● Removing the pickup unit (fig. 4))

- 1. Remove the module pc board in accordance with the procedure of "Removing the module pc board."
- 2. While holding the pickup case, remove the skew screw (main).
- 3. Lifting the end of the pickup rack, slide the main shaft, and remove the pickup unit.

Notes:

Replacing the pickup unit requires the skew adjustment.

Remove glue from both ends of the main and sub shafts, and skew stud.

Do not reuse the old skew screw. Be sure to use a brand-new skew screw supplied with a new pickup unit.

Fix the skew screw with glue (GYL1001) after adjustment.

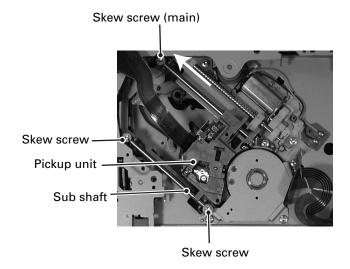


Fig. 4

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Removing the CRG motor ASSY (fig.5)

- 1. Remove the module pc board in accordance with the procedure of "Removing the module pc board."
- 2. Release the CRG motor leads from the resin guide and remove the CRG flexible cable from the land.
- 3. Remove the fixing screw, and remove the feed screw holder together with the 2-stage gear.
- 4. Remove the fixing two screws and CRG motor ASSY.

Caution: When replacing the CRG motor ASSY, be careful not to damage the gears, especially the 2-stage gear that is very delicate. When lifting the pickup rack to install the motor, be careful not to damage the gear teeth.

Removing the spindle motor (fig.5)

- 1. Remove the module pc board in accordance with the procedure of "Removing the module pc board."
- 2. Release the CRG motor leads from the resin guide and remove the CRG flexible cable from the land.
- 3. Remove the three fixing screws for the SPDL motor. Be careful not to deform the CRG chassis when replacing the SPDL motor.

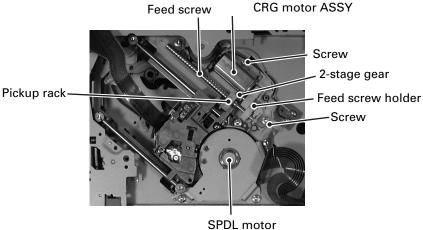


Fig. 5

Removing the upper frame ASSY (fig. 6)

- 1. Remove the module pc board in accordance with the procedure of "Removing the module pc board."
- 2. Remove the spring.

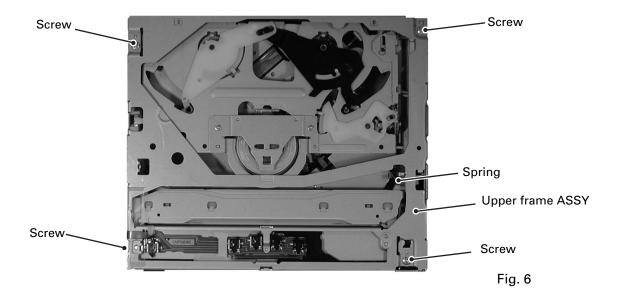
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3. Remove the four screws and remove the upper frame ASSY.



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Removing the load gear ASSY (fig. 7)

- 1. Remove the module pc board in accordance with the procedure of "Removing the module pc board."
- 2. Remove the upper frame ASSY in accordance with the procedure of "Removing the upper frame ASSY."
- 3. Remove the two screws and remove the load gear ASSY.
- 4. Remove the loading rack and the spring.

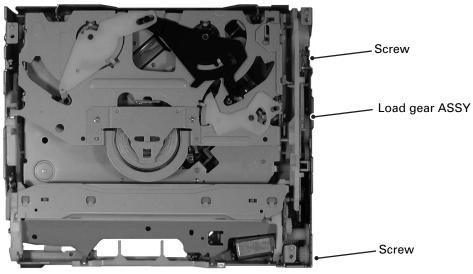


Fig. 7

Setting the quasi-clamp mode by driving the loading motor (fig. 8)

- 1. While driving the loading motor in the clamping direction, pull the clamp lever toward the front side.
- 2. Even after the clamp lever pushes the loading rack (clamp mode), keep the clamp lever pulled lightly. Prevent the clamp lever bar ring from coming into the clamp spring. If not, ejection will not be impossible.
- 3. After the clamp operation ends, stop the operation before the objection of the loading rack touches the load lever R. (fig. 10)

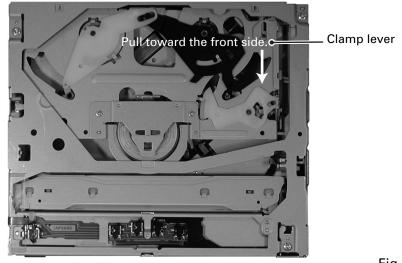


Fig. 8

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Clamp spring bar ring

Prevent the clamp lever bar ring
from coming into the clamp
spring (the above condition is NG)

Fig. 9

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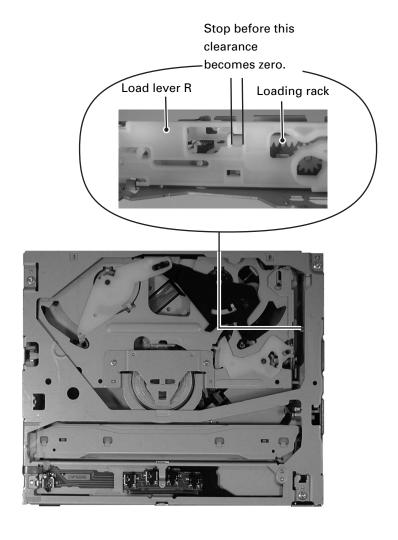


Fig. 10

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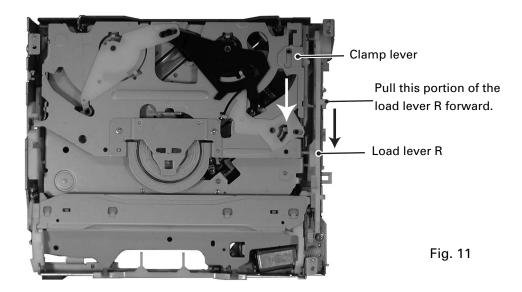
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Setting the quasi-clamp mode manually (fig. 11)

- 1. Remove the module pc board in accordance with the procedure of "Removing the module printed circuit board."
- 2. Remove the upper frame ASSY in accordance with the procedure of "Removing the upper frame ASSY."
- 3. Remove the load gear ASSY in accordance with the procedure of "Removing the load gear ASSY."
- 4. While pulling the clamp lever toward the front side, pull the fixed portion of the load lever R toward the front side until the mode enters the clamp position.



Removing the load motor ASSY (fig. 12)

- 1. Remove the module pc board in accordance with the procedure of "Removing the module printed circuit board."
- 2. Remove the upper frame ASSY in accordance with the procedure of "Removing the upper frame ASSY."
- 3. Remove the load gear ASSY in accordance with the procedure of "Removing the load gear ASSY."
- 4. Enter the quasi-clamp mode in accordance with the procedure of "Setting the quasi-clamp mode manually."
- 5. Remove the screw. Slide the load motor ASSY to pull it out.

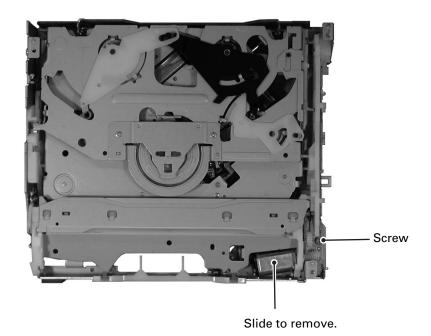


Fig. 12

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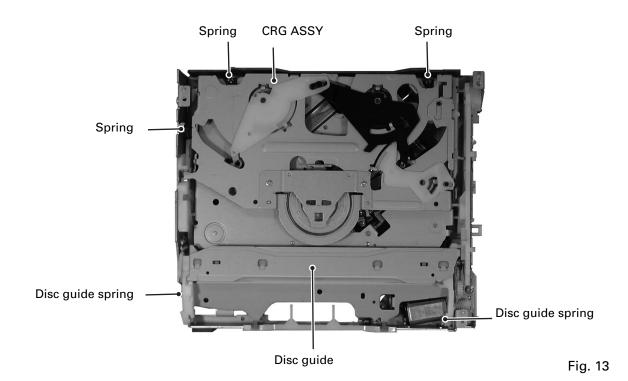
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■ Removing the CRG ASSY (fig. 13)

- 1. Enter the quasi-clamp mode in accordance with the procedure of "Setting the quasi-clamp mode by driving the loading motor."
- 2. Remove the module pc board in accordance with the procedure of "Removing the module pc board."
- 3. Remove the upper frame ASSY in accordance with the procedure of "Removing the upper frame ASSY."
- 4. Remove the four springs.
 - 5. Lift the CRG ASSY until the shafts come from the dampers, and then remove it.

Removing the disc guide ASSY (fig. 13)

- 1. Enter the quasi-clamp mode in accordance with the procedure of "Setting the quasi-clamp mode by driving the loading motor."
- 2. Remove the module pc board in accordance with the procedure of "Removing the module pc board."
- 3. Remove the upper frame ASSY in accordance with the procedure of "Removing the upper frame ASSY."
- 4. Remove the two disc guide springs. While lifting the disc guide and keeping the lifting angle around 45 degrees, slide the guide in the left side to remove it.



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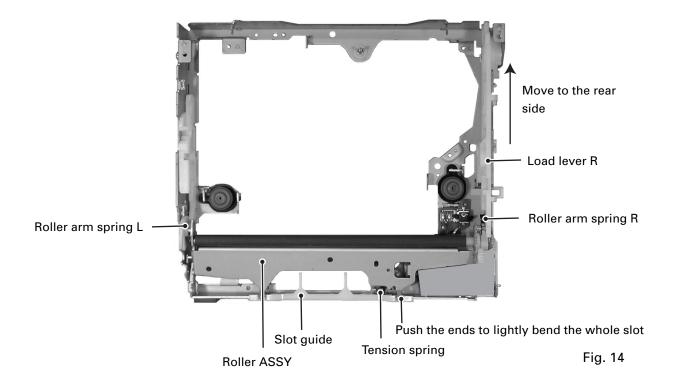
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Removing the roller ASSY (fig. 14)

- 1. Remove the module pc board in accordance with the procedure of "Removing the module pc board."
- 2. Remove the upper frame ASSY in accordance with the procedure of "Removing the upper frame ASSY."
- 3. Remove the tension spring.
- 4. Remove the load gear ASSY in accordance with the procedure of "Removing the load gear ASSY."
- 5. Enter the quasi-clamp mode in accordance with the procedure of "Setting the quasi-clamp mode manually."
- 6. Remove the disc guide ASSY in accordance with the procedure of "Removing the disc guide ASSY."
- 7. Remove the CRG ASSY in accordance with the steps 4 and 5 in the procedure of "Removing the CRG ASSY."
- 8. By pushing the fixed portion of the load lever R, move the load lever R to the rear side completely.
- 9. Remove the load levers R and L. Unhook the end of the roller arm spring R from the load lever R.
- 10. While lifting the roller ASSY to the highest position, slide it to the right side. Lightly bend the whole slot guide by pushing the ends with your fingers and remove the roller ASSY.



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Removing the dampers (fig. 15)

- 1. Enter the quasi-clamp mode in accordance with the procedure of "Setting the quasi-clamp mode by driving the loading motor."
- 2. Remove the module pc board in accordance with the procedure of "Removing the module pc board."
- 3. Remove the upper frame ASSY in accordance with the procedure of "Removing the upper frame ASSY."
- 4. Remove the three springs.
- 5. Remove the CRG SSSY in accordance with the steps 4 and 5 in the procedure of "Removing the CRG assembly."
- 6. Release each of the three dampers from the clinches as follows:
 - 6.1 By using a pair of pliers, hold the portion A and turn them in the direction B. While making a gap in the portion C, release the damper from the clinches.
 - 6.2 Insert a flat-type screwdriver into the portion D. Slightly raise the plate and release the damper from the clinches.
- 7. Remove the CRG motor ASSY in accordance with the steps 2 through 4 in the procedure of "Removing the CRG motor ASSY."
- 8. Remove the dampers.

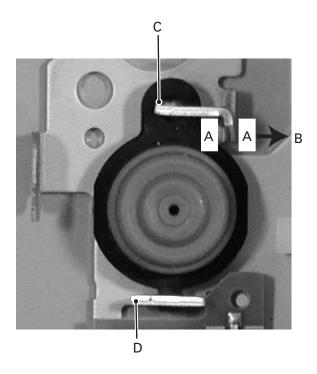


Fig. 15

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